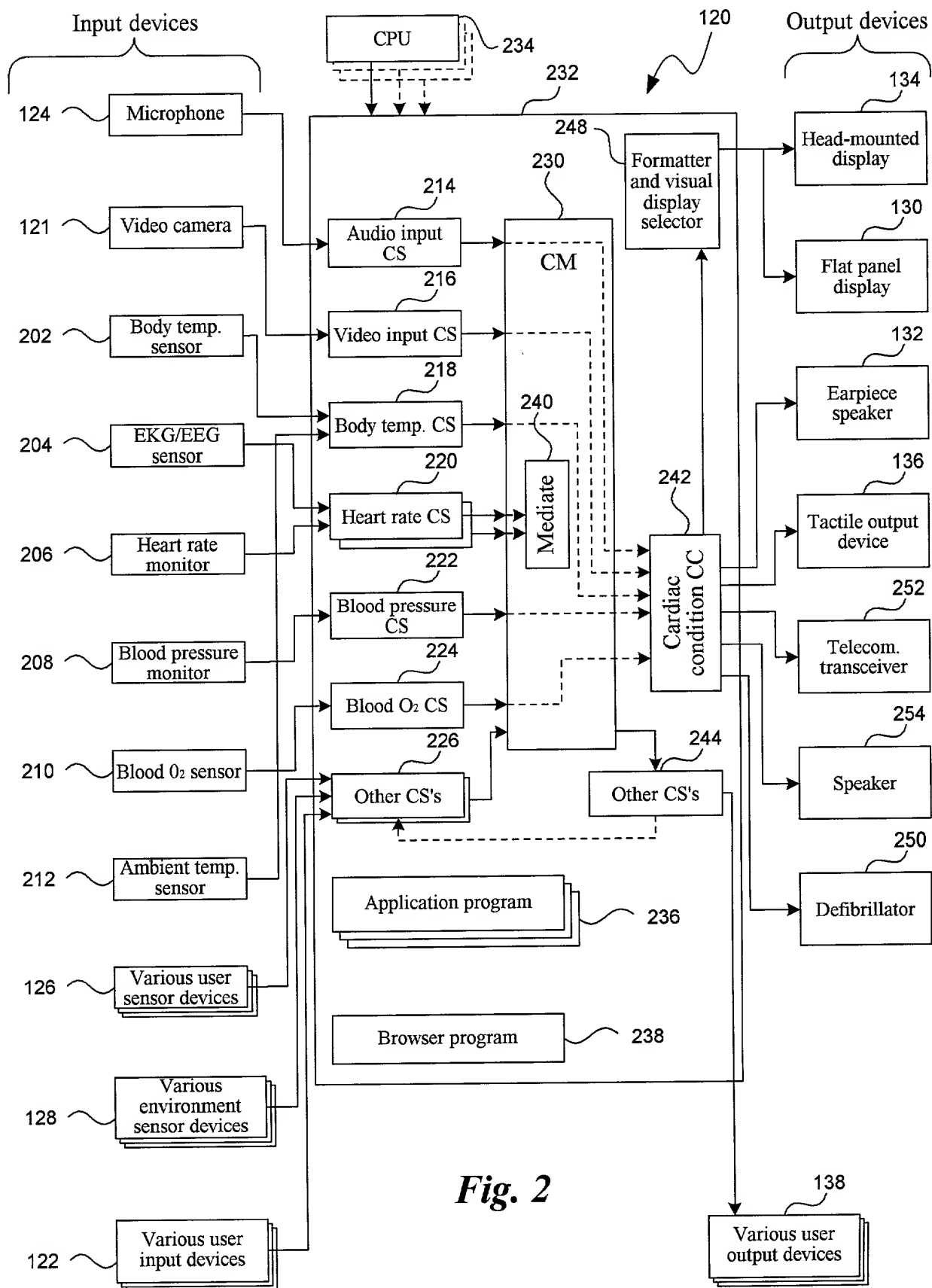
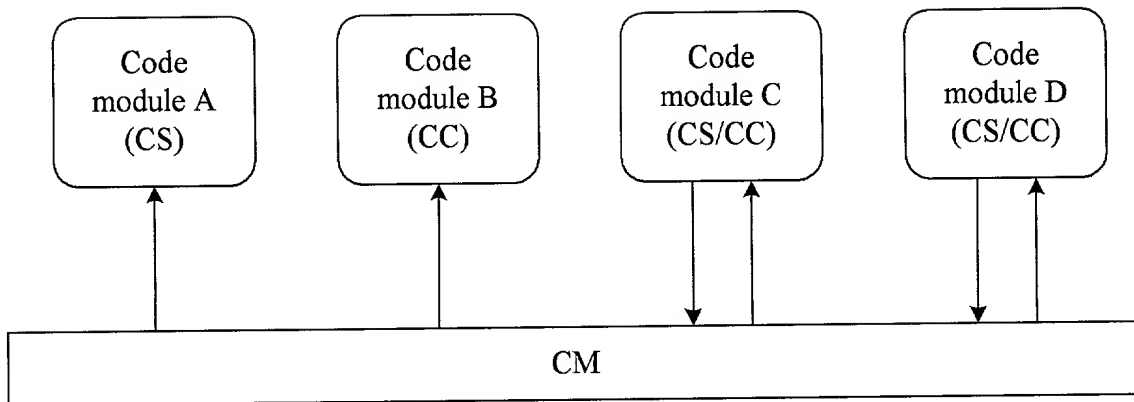


Fig. 1

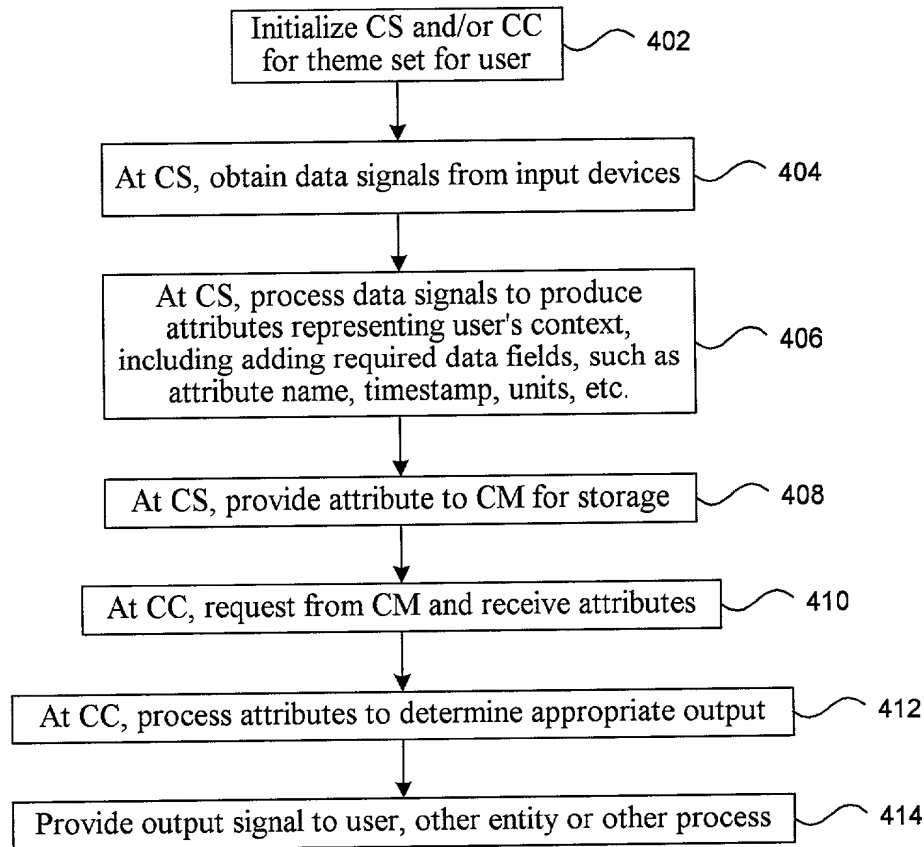


**Fig. 2**



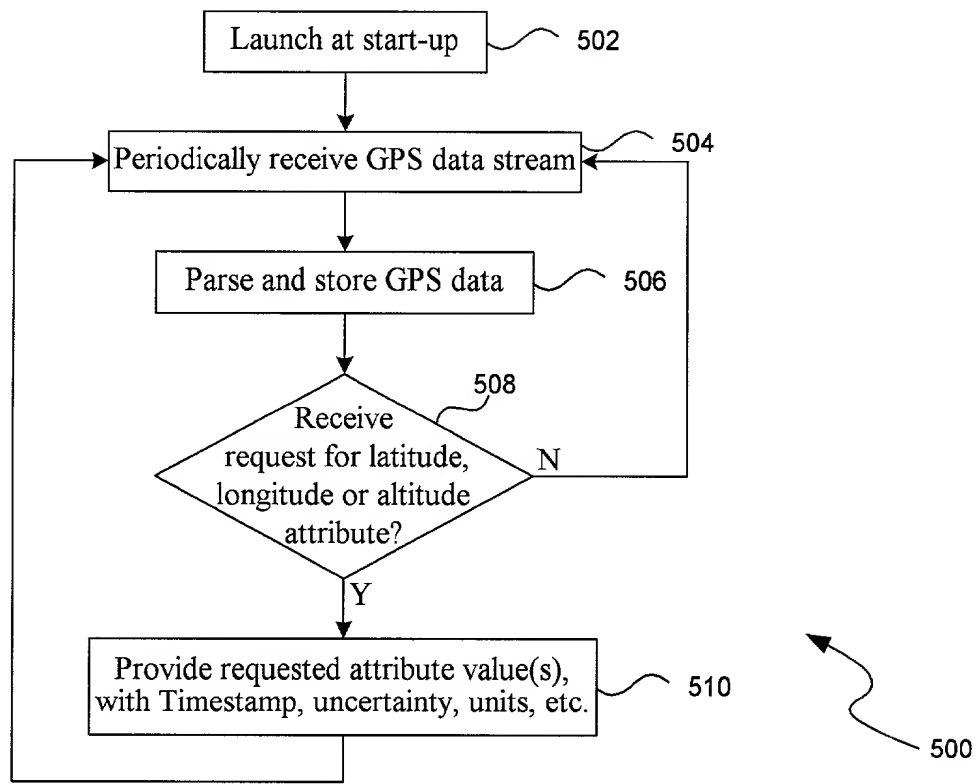
**Fig. 3**

300

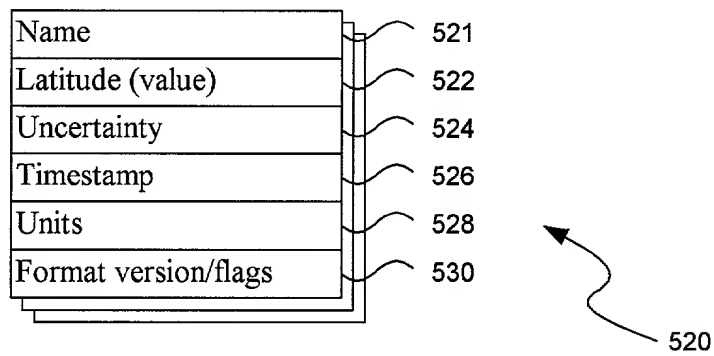


**Fig. 4**

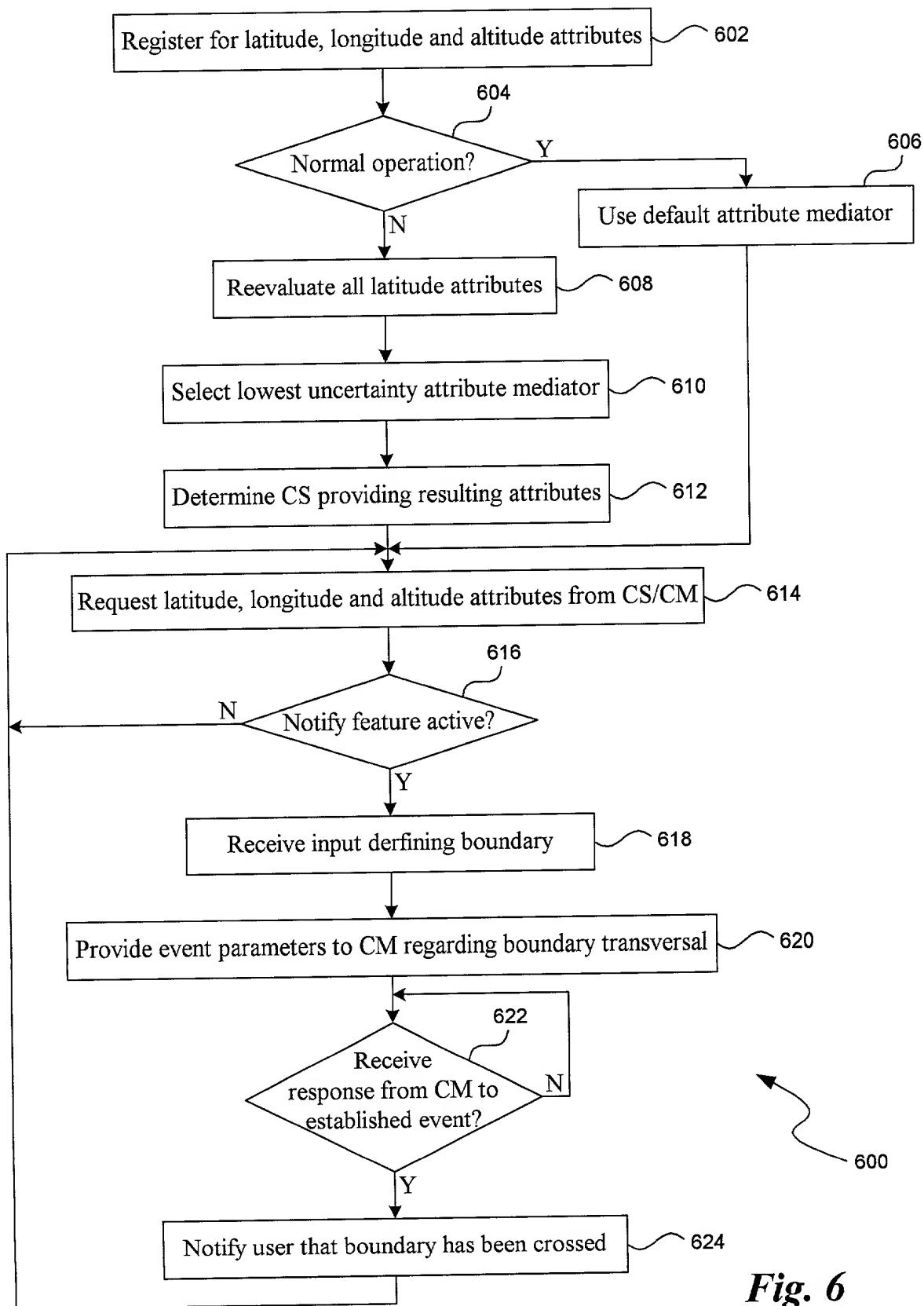
400



**Fig. 5A**



**Fig. 5B**



**Fig. 6**

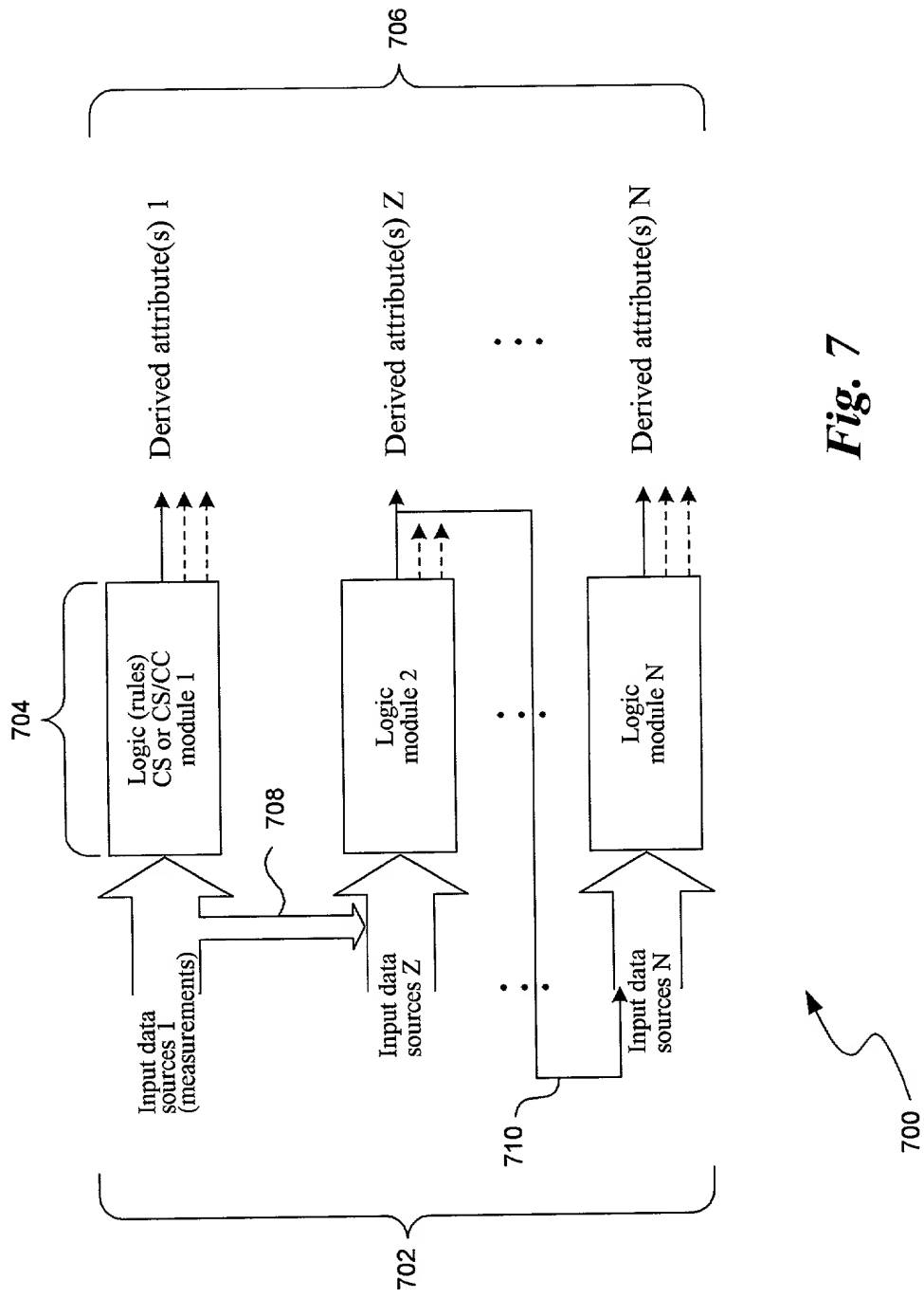


Fig. 7

**User.**

Desired\_privacy\_level  
 Interruptibility  
 Speed  
 Direction  
 Acceleration  
 Availability.  
   Cognitive\_availability  
   Tactile\_availability  
   Manual\_availability  
   Visual\_availability  
   Oral\_availability  
   Auditory\_availability  
 Proximity.<Item or place name>  
 Mood.  
   Happiness  
   Sadness  
   Anger  
   Frustration  
   Confusion  
 Activity.  
   Driving  
   Eating  
   Running  
   Sleeping  
   Talking  
   Typing  
   Walking  
 Location.  
   Place\_name  
   Latitude  
   Longitude  
   Altitude  
   Room  
   Floor  
   Building  
   Address  
   Street  
   City  
   County  
   State  
   Country  
   Postal\_Code  
 Destination. (same as User.Location.)  
 Physiology.  
   Pulse  
   Body\_temperature  
   Blood\_pressure  
   Respiration

**Person.**<name or ID>. (same as User.)**Platform.**

UI.  
   Oral\_input\_device\_availability  
   Manual\_input\_device\_availability  
   Tactile\_output\_device\_availability  
   Visual\_output\_device\_availability  
   Auditory\_output\_device\_availability

**Platform.** (continued)

CPU.  
   Load  
   Speed  
 Memory.  
   Total\_capacity  
   Used  
 Storage.  
   Total\_capacity  
   Used  
 Connectivity.  
   Connection\_status  
   Connection\_speed  
   Connection\_type/device  
   Connection\_activity  
 Power.  
   Power\_source  
   Power\_level

**Environment.**

People.  
   Nearest  
   Number\_present  
   Number\_close  
 Local.  
   Time  
   Date  
   Temperature  
   Pressure  
   Wind\_speed  
   Wind\_direction  
   Absolute\_humidity  
   High\_forecast\_temperature  
   Low\_forecast\_temperature  
   People\_present  
   Ambient\_noise\_level  
   Ambient\_light\_level  
   Days.<previous or future>.  
     High\_temperature  
     Low\_temperature  
     Precipitation\_type  
     Precipitation\_amount  
   Place.<place name>. (same as Environment.Local)

**Application.**

Mail.  
   Available  
   New\_messages\_waiting  
   Messages\_waiting\_to\_be\_sent  
 Phone.  
   Available  
   In\_use  
   On/off  
   Notification\_mechanism  
   Call\_incoming  
   Caller\_ID  
 Sound\_recorder.  
   Available  
   Recording

**Fig. 8**

## User Setting

- Mental Context
  - Meaning
  - Cognition
    - Divided User Attention
    - Task Switching
    - Background Awareness
  - Solitude
  - Privacy
    - Desired Privacy
    - Perceived Privacy
  - Social Context
  - Affect
- Physical Situation
  - Body
    - Biometrics
    - Posture
    - Motion
    - Physical Encumberment
    - Senses
      - Eyes
      - Ears
      - Tactile
      - Hands
      - Nose
      - Tongue
    - Workload demands/effects
    - Interaction with computer devices
    - Interaction with people
    - Physical Health
- Environment
  - Time/Space
  - Objects
  - Persons
    - Audience/Privacy Availability
    - Scope of Disclosure
    - Hardware affinity for privacy
    - Privacy Indicator for User
    - Privacy Indicator for Public
    - Watching Indicator
    - Being Observed Indicator
  - Ambient Interference
    - Visual
    - Audio
    - Tactile

## Computer

- Power
- Configuration
  - User Input Systems
    - Hand/Haptic
      - Keyboard/Keystrokes
    - Voice/Audio
    - Eye Tracking
    - Cursors
      - Axis
      - Resolution
      - Selection
      - Invocation
    - Accelerators
  - Output Systems
    - Visual
      - Resolution
    - Audio
      - Public/Private
    - Haptic
  - External Resources
    - I/O devices
    - Connectivity
- Data
  - Quantity/State
  - Urgency/Importance
    - Use of Prominence
  - Modality
  - Sensitivity/Purpose
    - Privacy Issues
    - Use of Association
    - Use of Safety
  - Source/Ownership
    - Types
      - User generated
      - Other computers or people
      - Sensor
      - PC State
      - Use of Association

**Fig. 9**



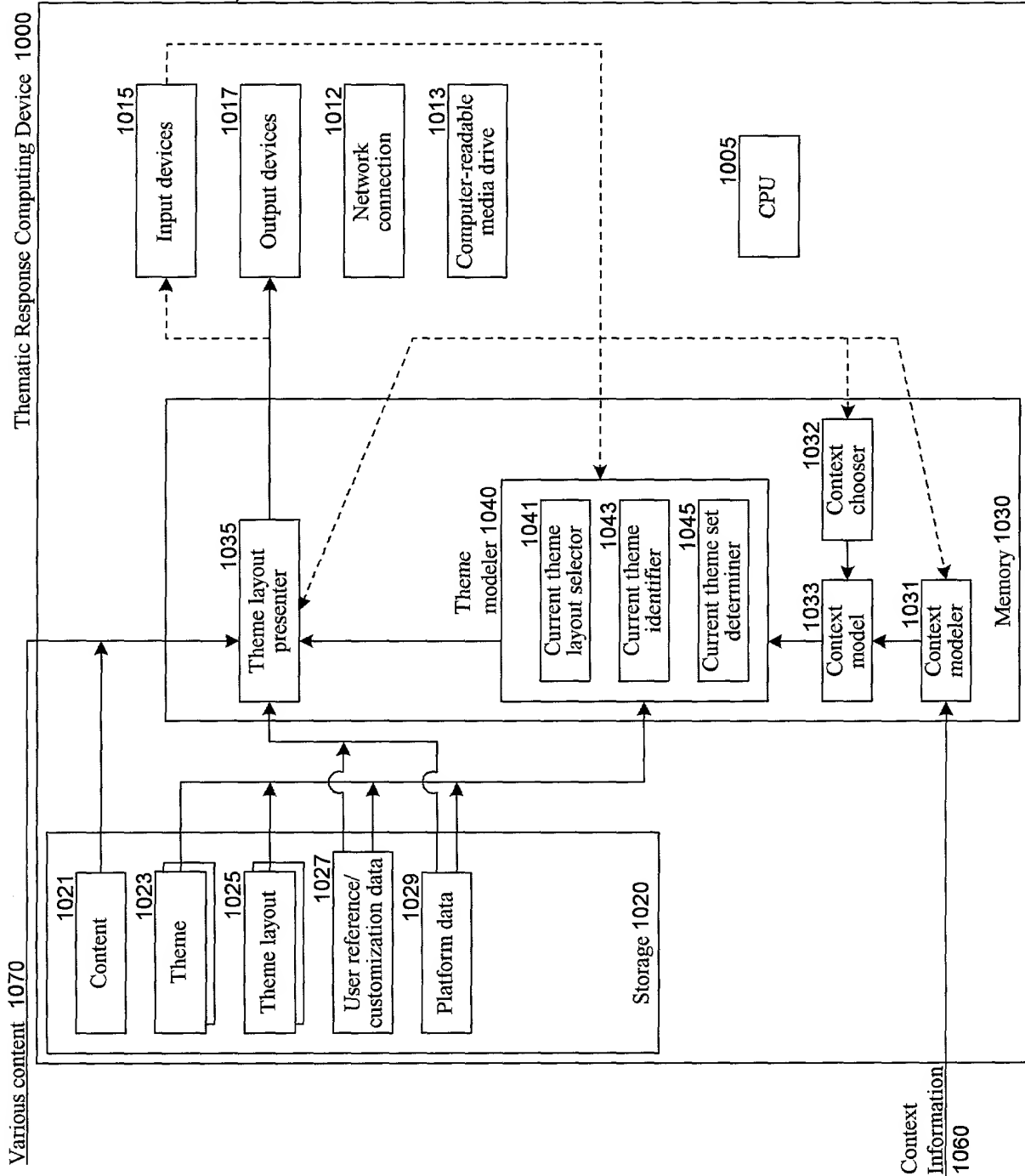


Fig. 10

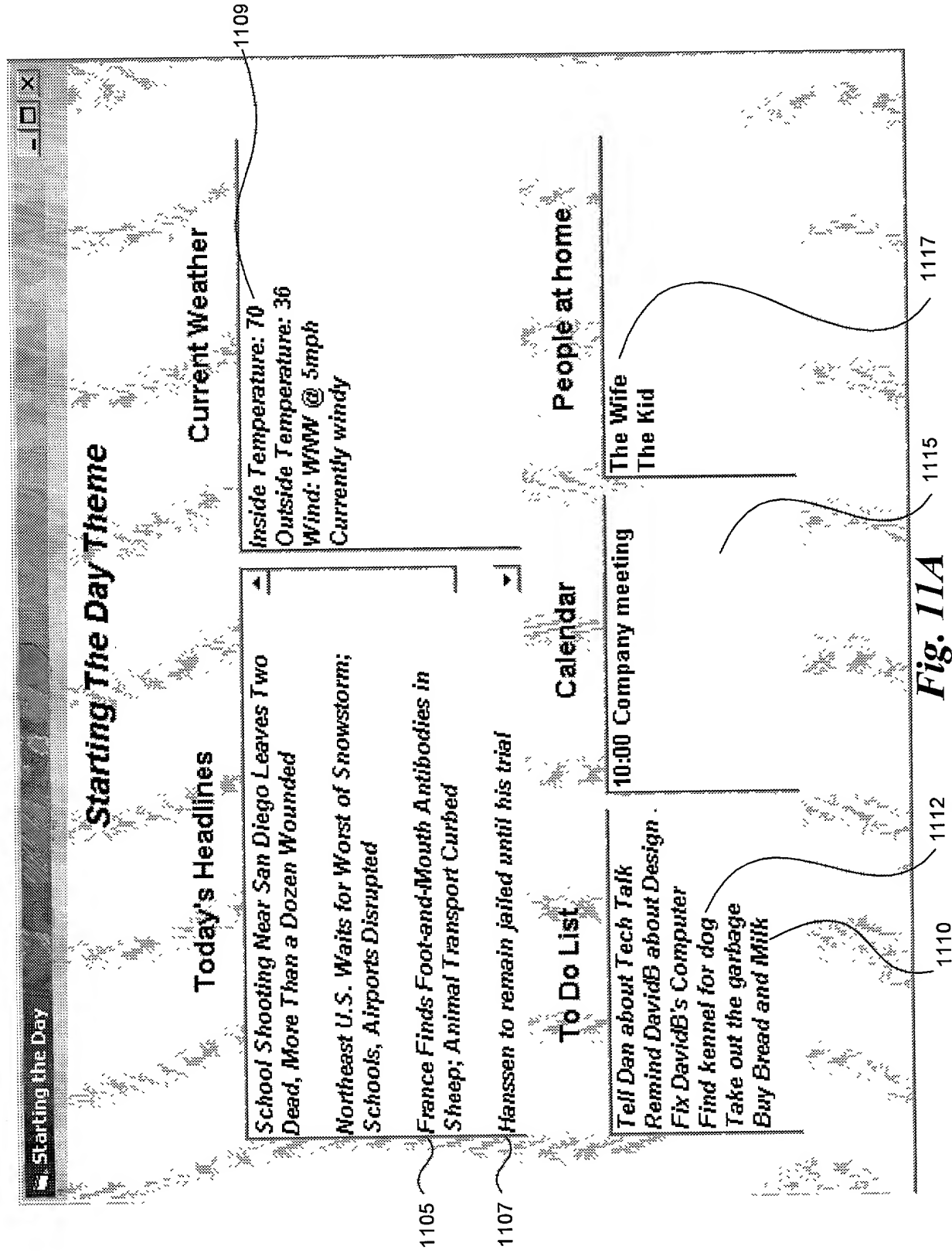


Fig. 11A

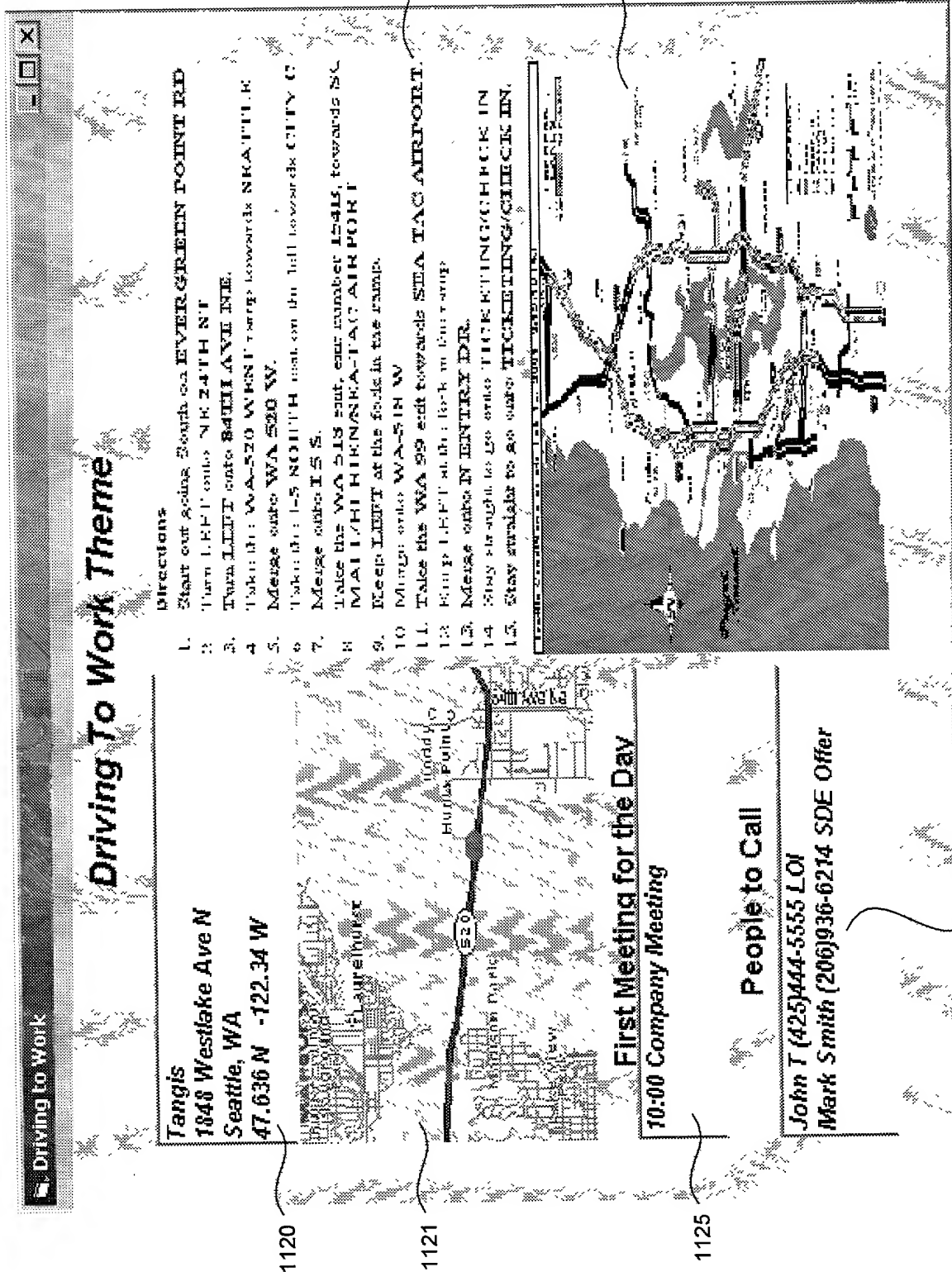


Fig. 11B

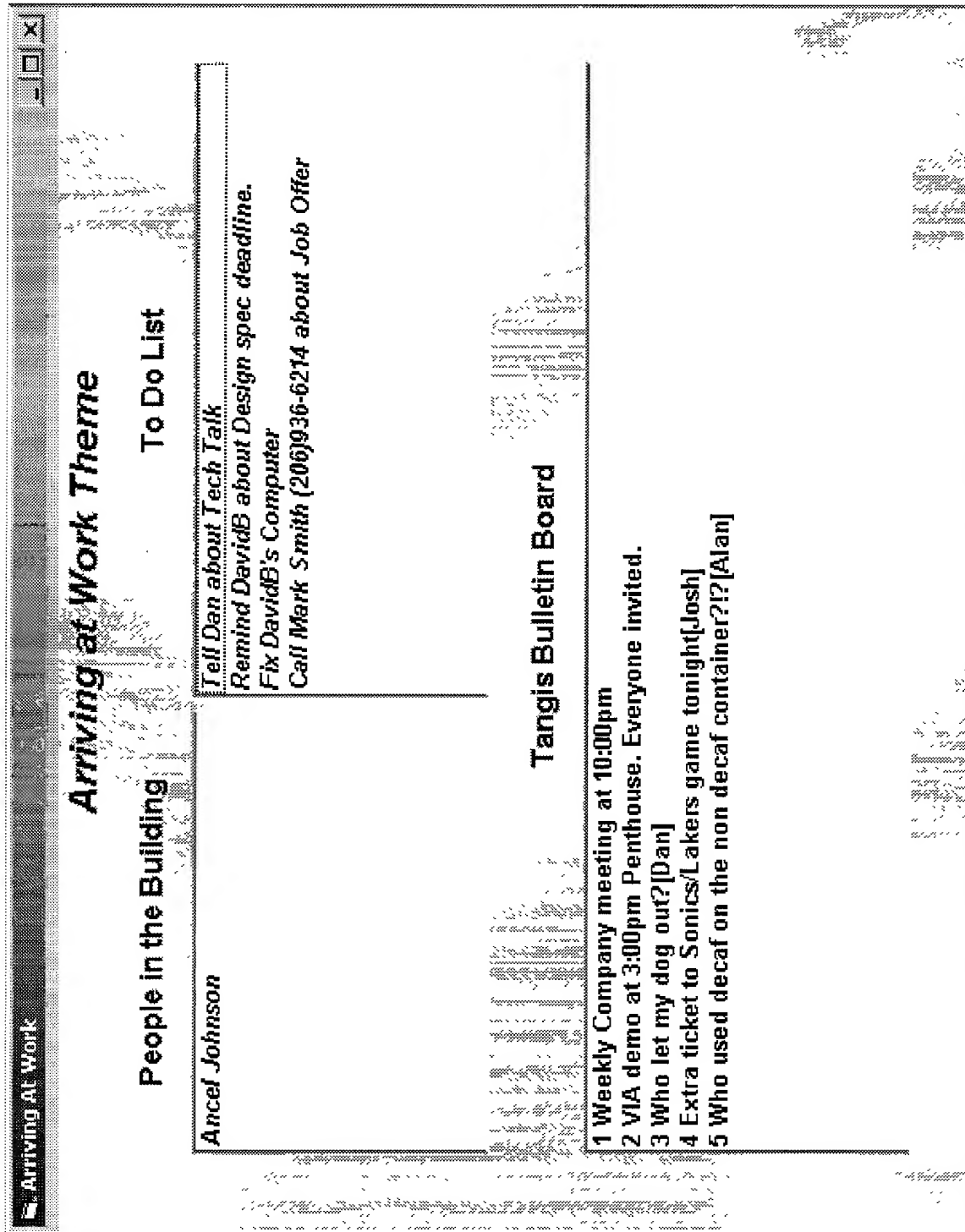


Fig. 11C

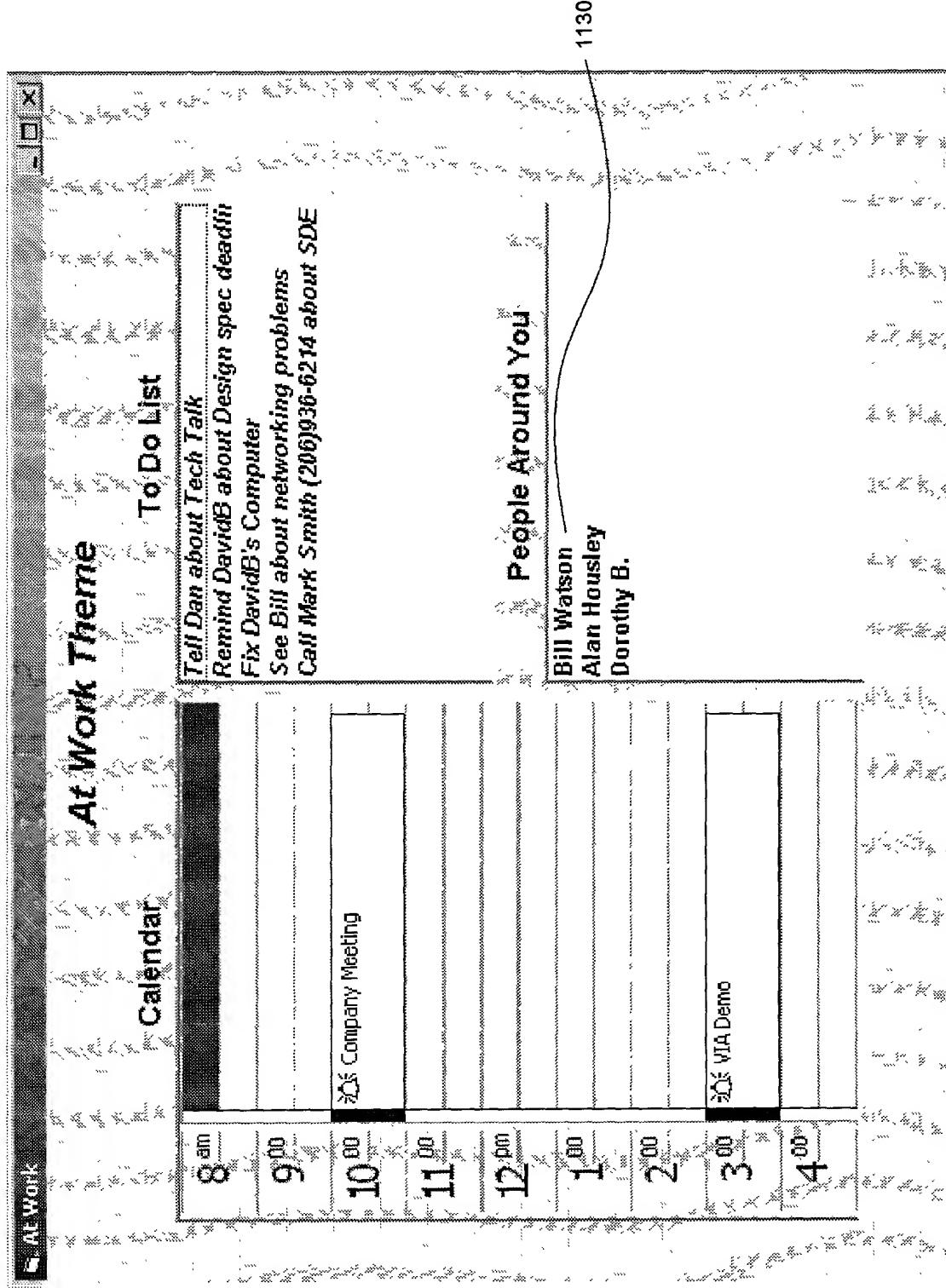


Fig. 11D

1135

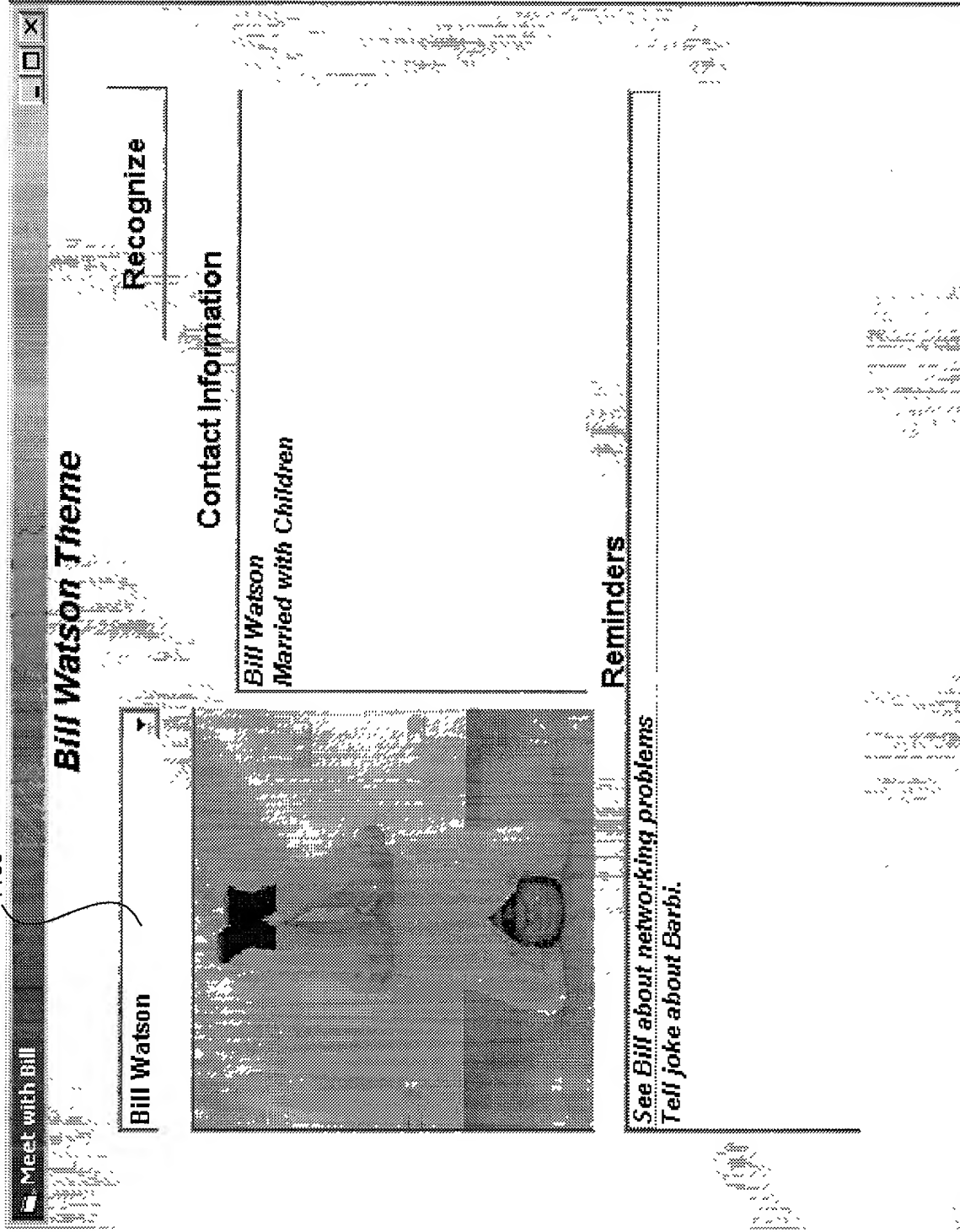


Fig. 11E

Company Meeting	
<b>Things to bring up</b> Tell group what you did last week Tell group what you plan to do this week Tell group about your new invention. Tell group about your upcoming skiing trip. Kudos for Stan and Dorothy for finishing report	<b>Meeting Theme</b> <b>People Present</b> Aaron Graves Alan Housley Ancel Johnson Bill Watson Brian Rose Cesar Alvarez Dan Newell David Jukes Dorothy B. Jaquie T. Jeff Fried Jim Roberts Johnson A. Josh Freedman Kanisha Patel Ken Abbott Lisa Davis Molly Fitch Scott Price Stan Ement
<b>Notes</b> Finished coding Turing Machine on Monday. Did bug bash on Tuesday. Survived an earthquake on Wednesday. Worked on CTK demo rest of last week Continuing work on CTK demo rest of this week	1137

Fig. 11F

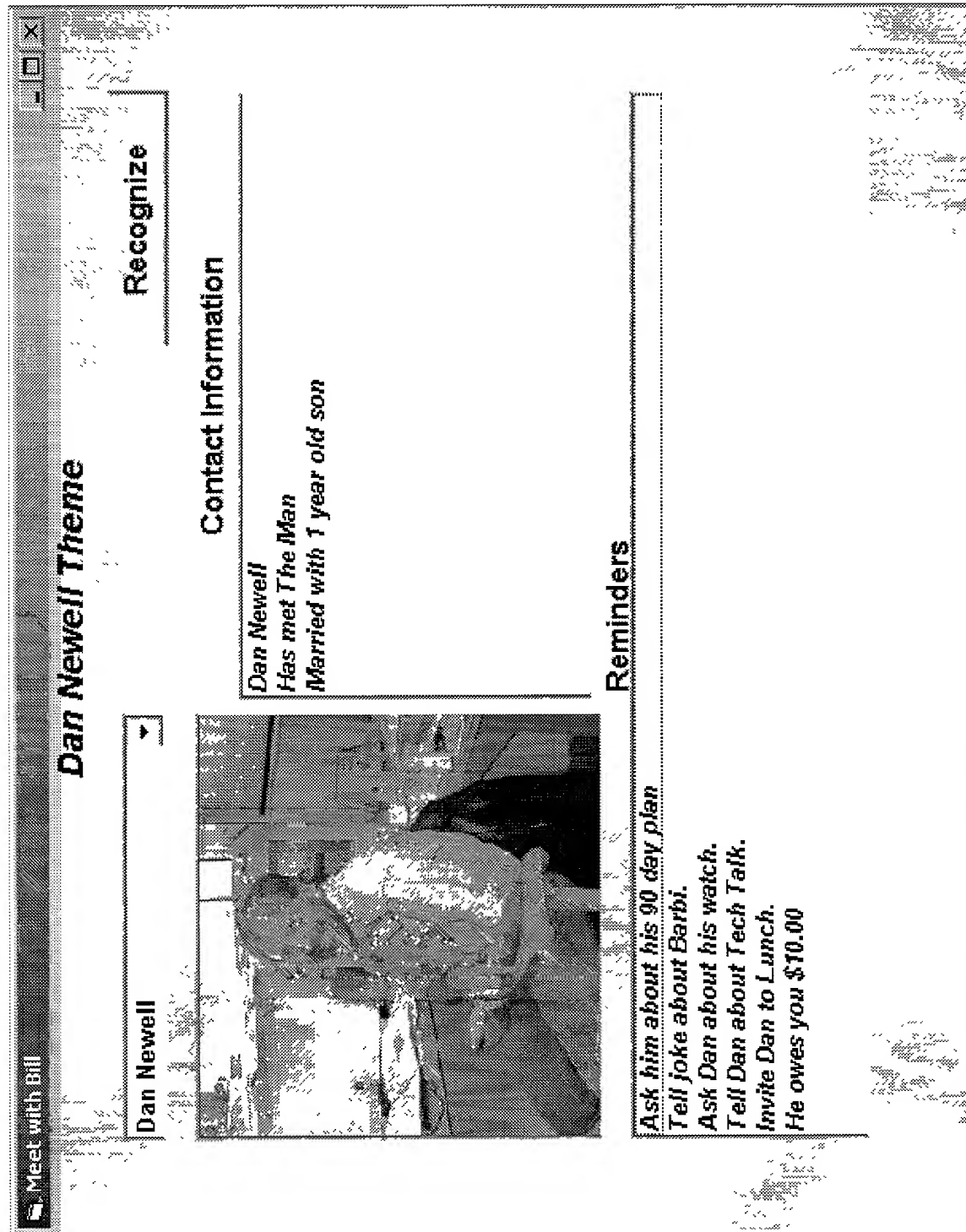


Fig. 11G



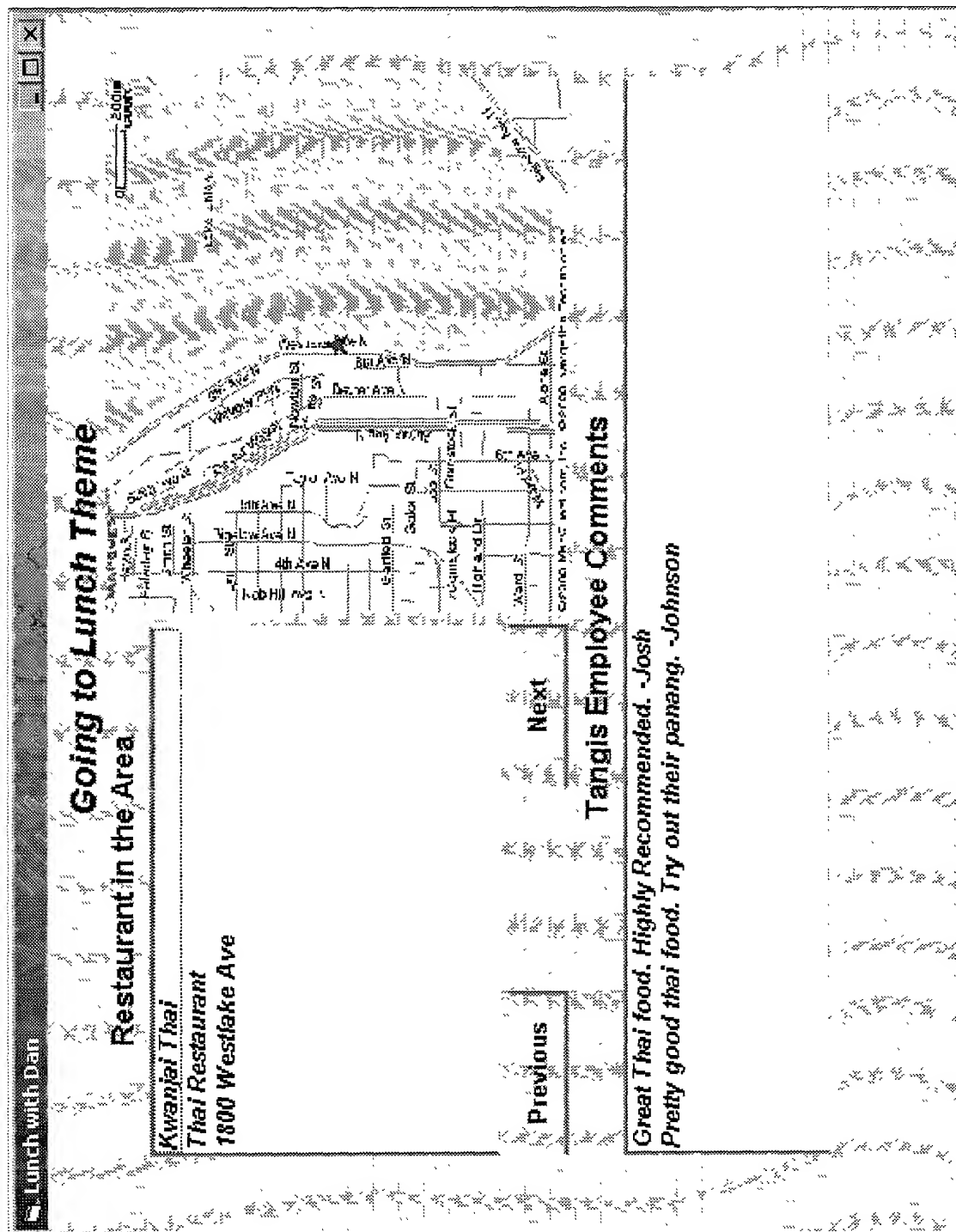


Fig. 11H

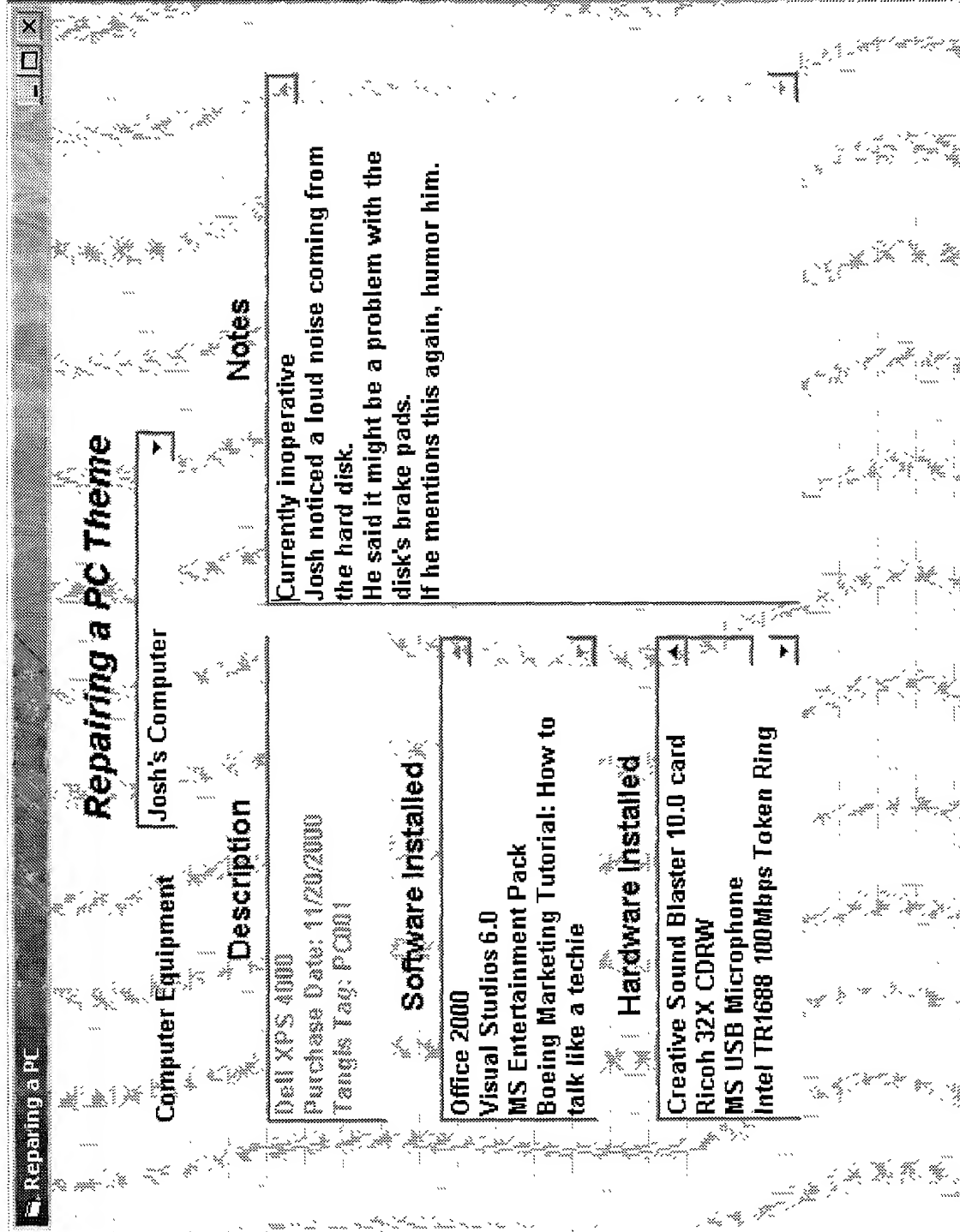


Fig. 111

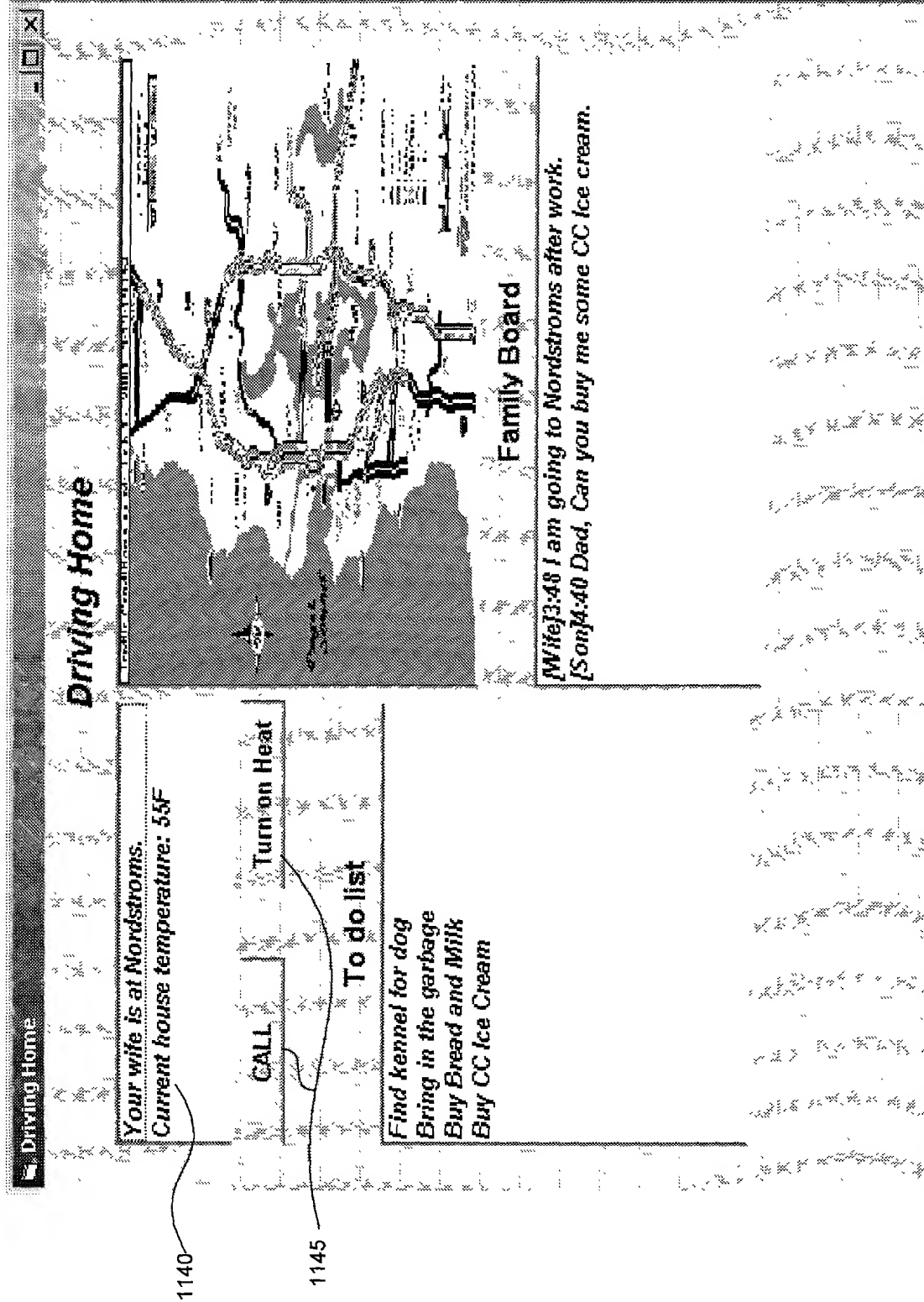


Fig. 11J

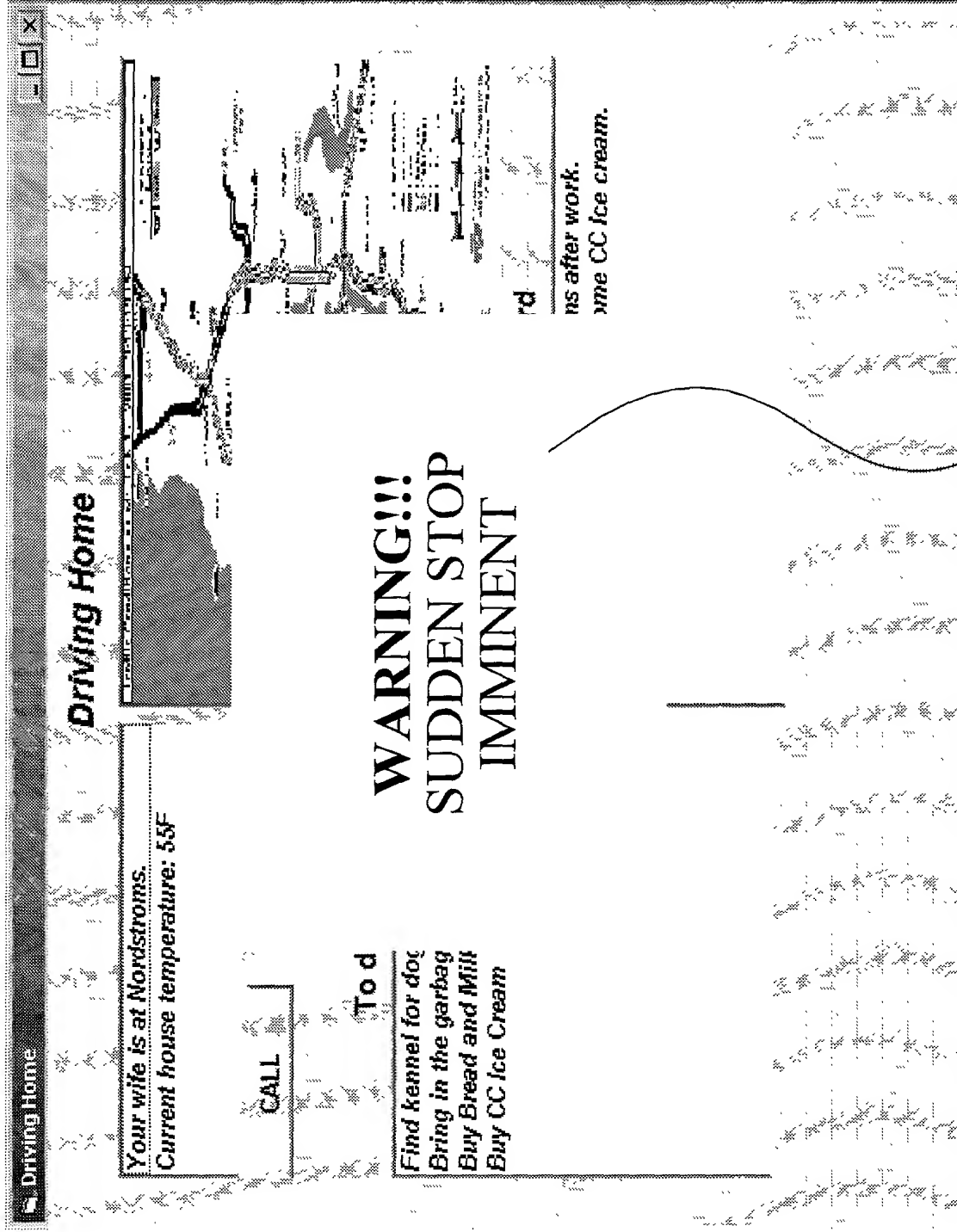


Fig. 11K 1190

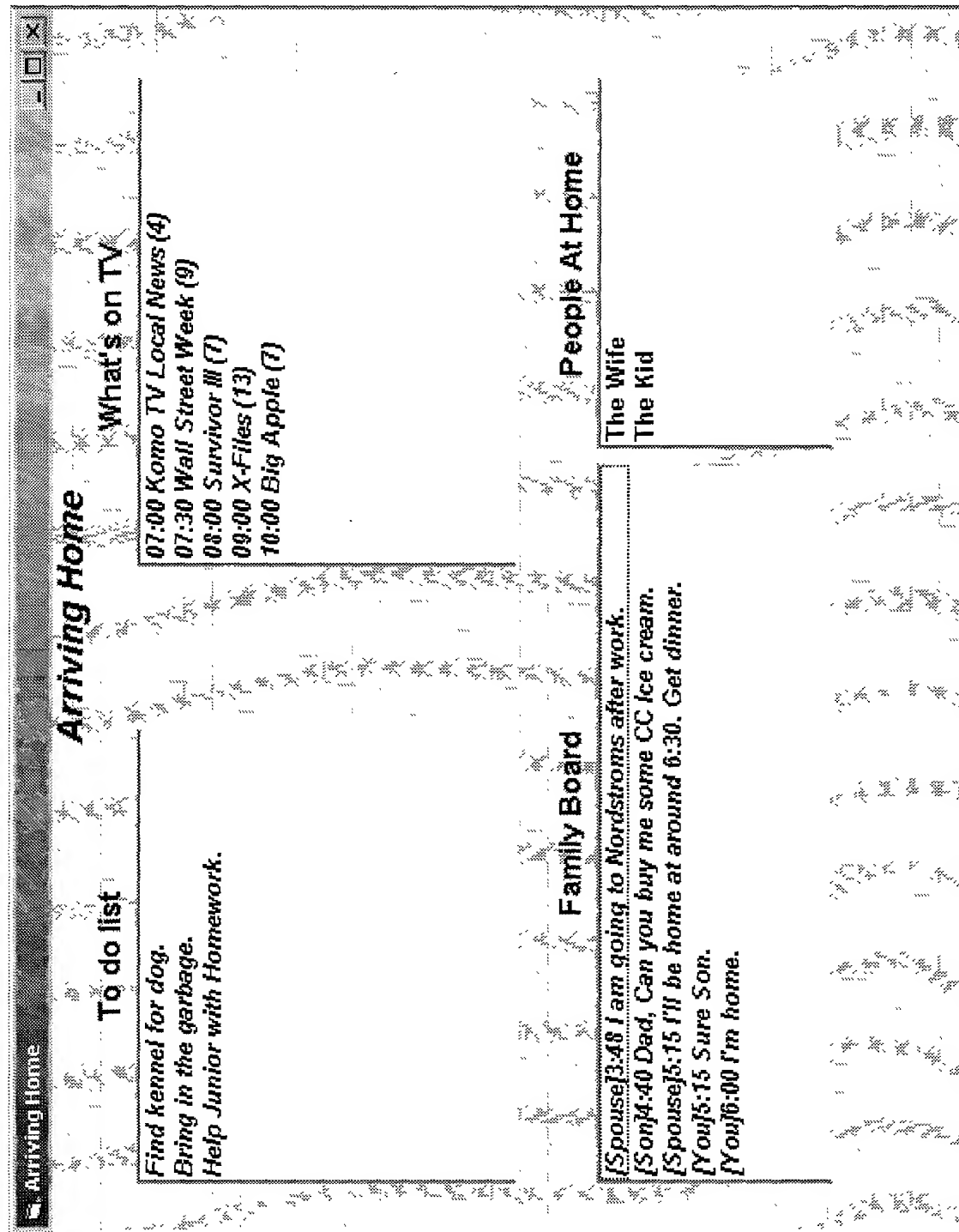
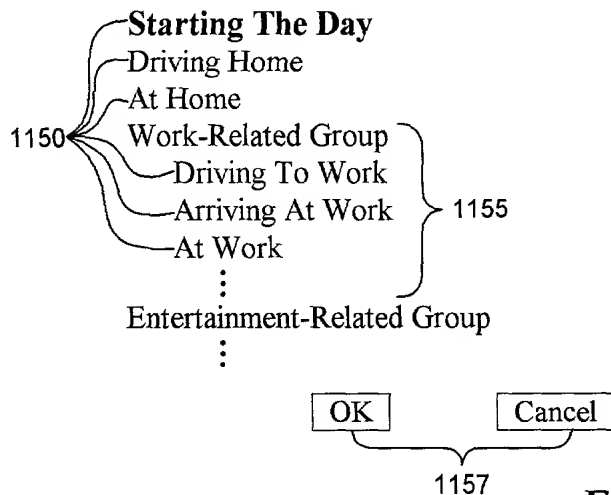


Fig. 11L

Example Current Theme Selection

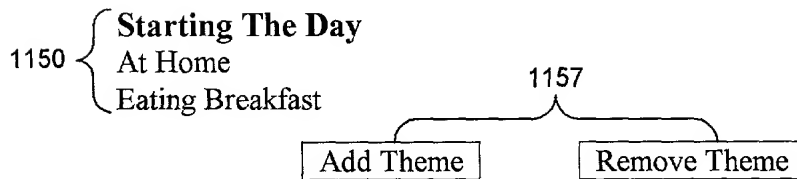
*Select A New Current Theme*



*Figure 11M*

Example Current Theme Set Modification

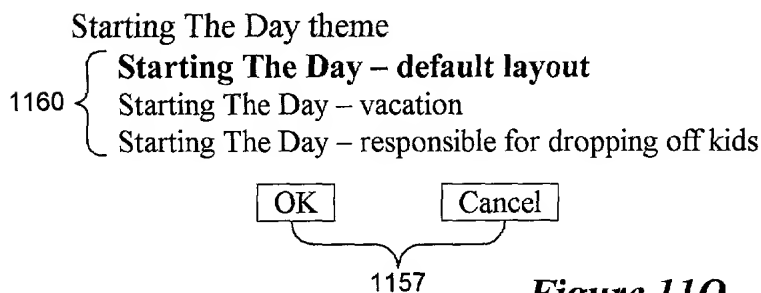
*Current Theme Set*



*Figure 11N*

Example Current Theme Layout Selection

*Select A New Current Theme Layout*



*Figure 11O*

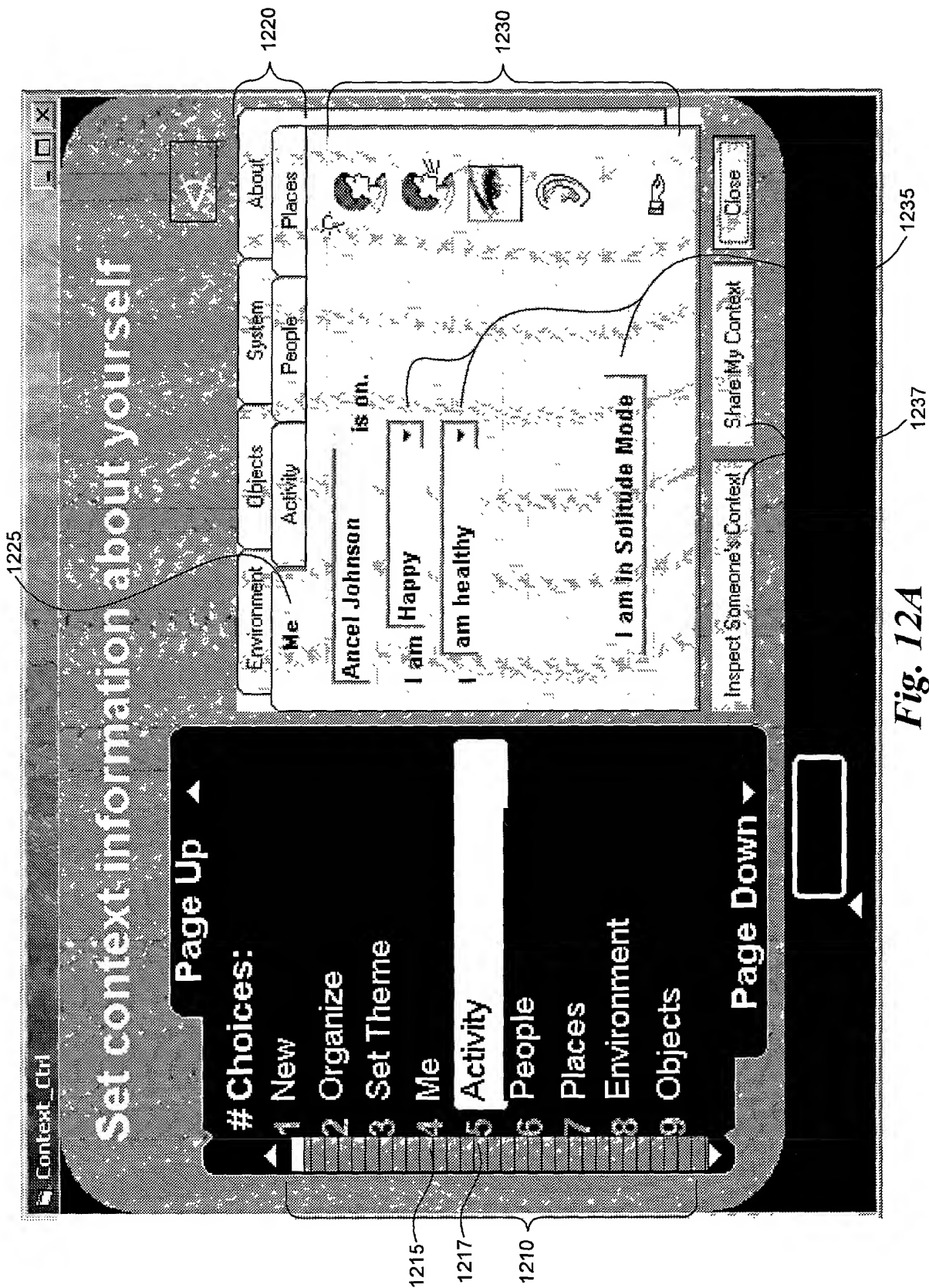


Fig. 12A

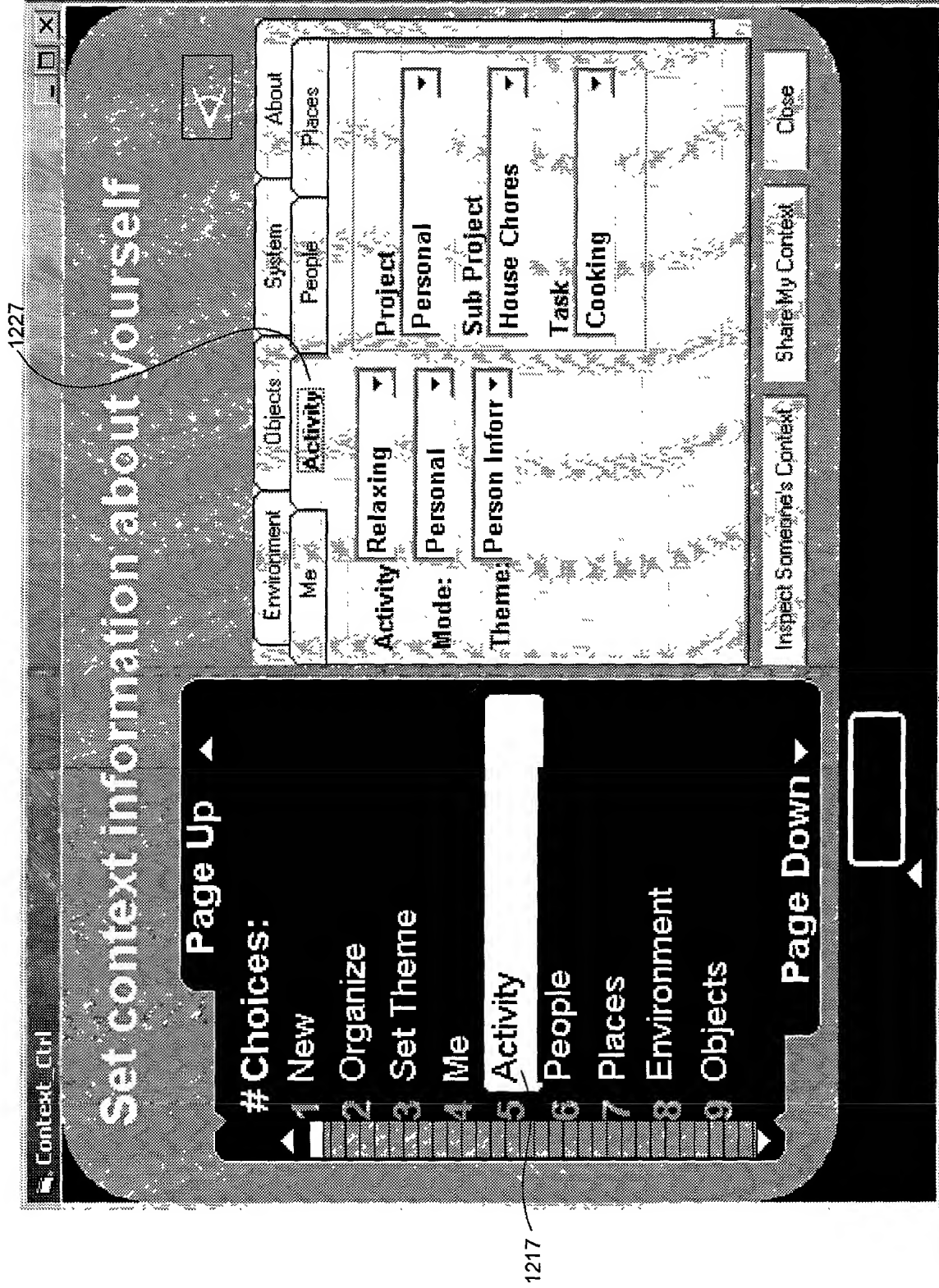


Fig. 12B



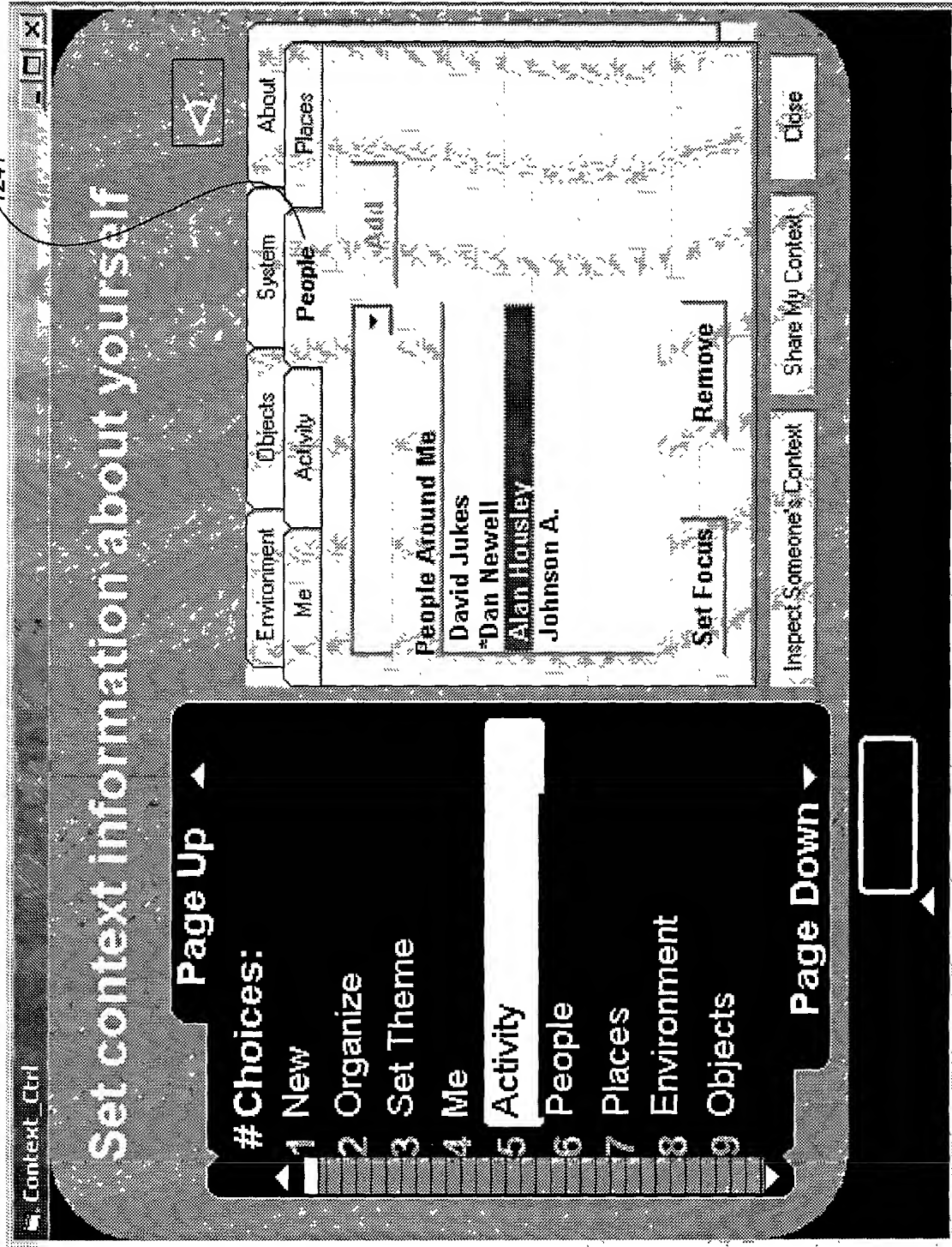


Fig. 12C

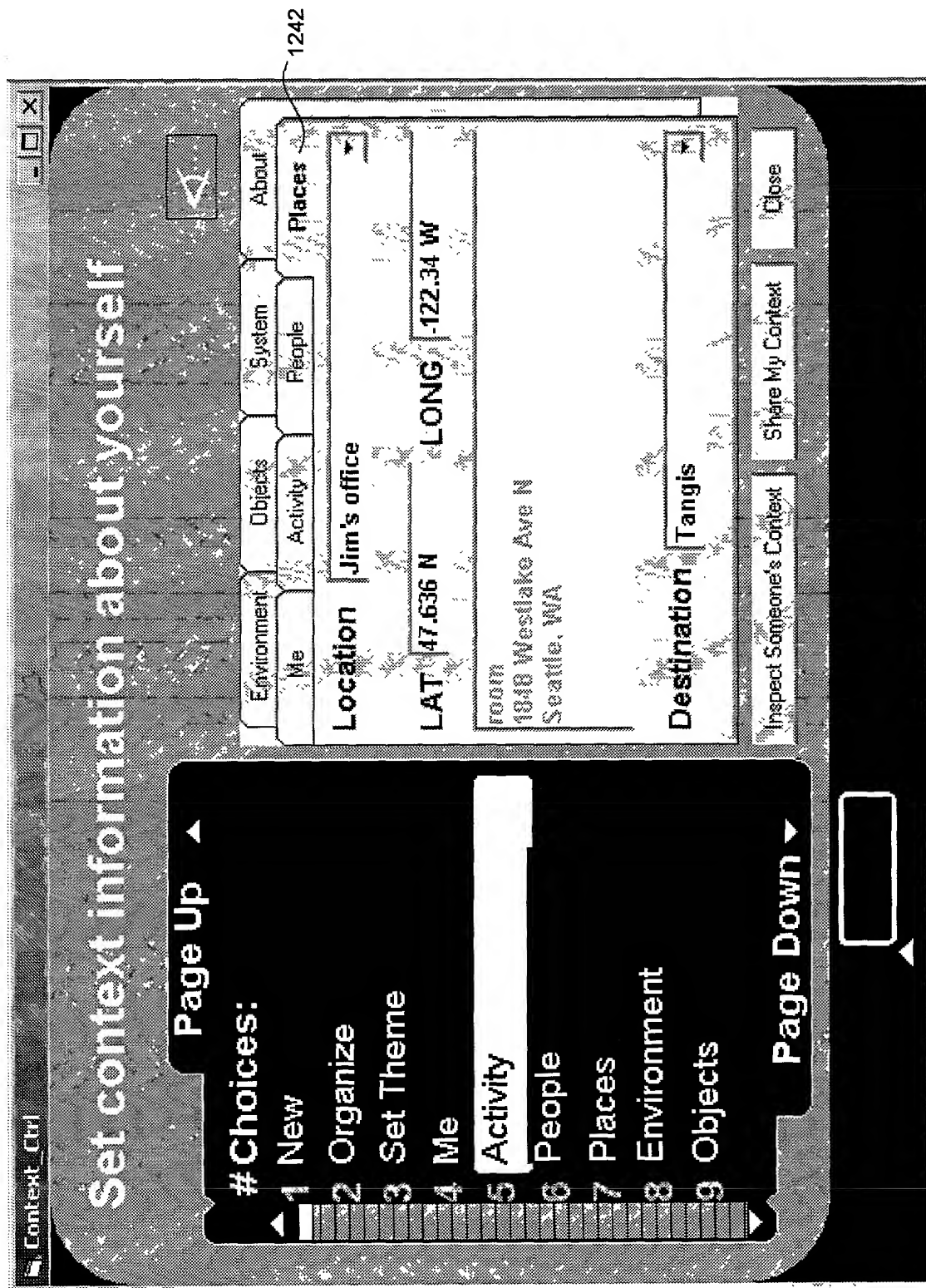


Fig. 12D

1243

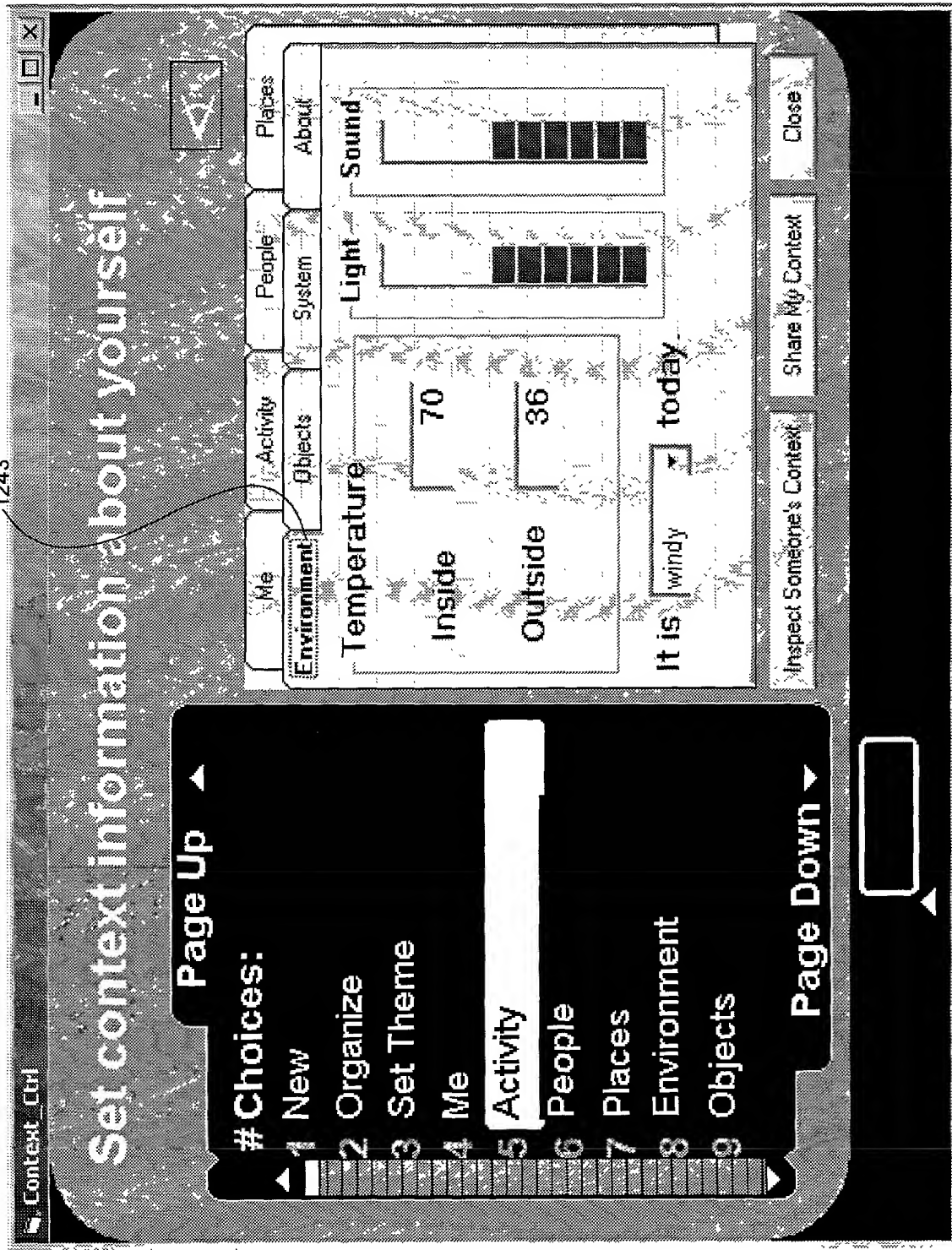


Fig. 12E

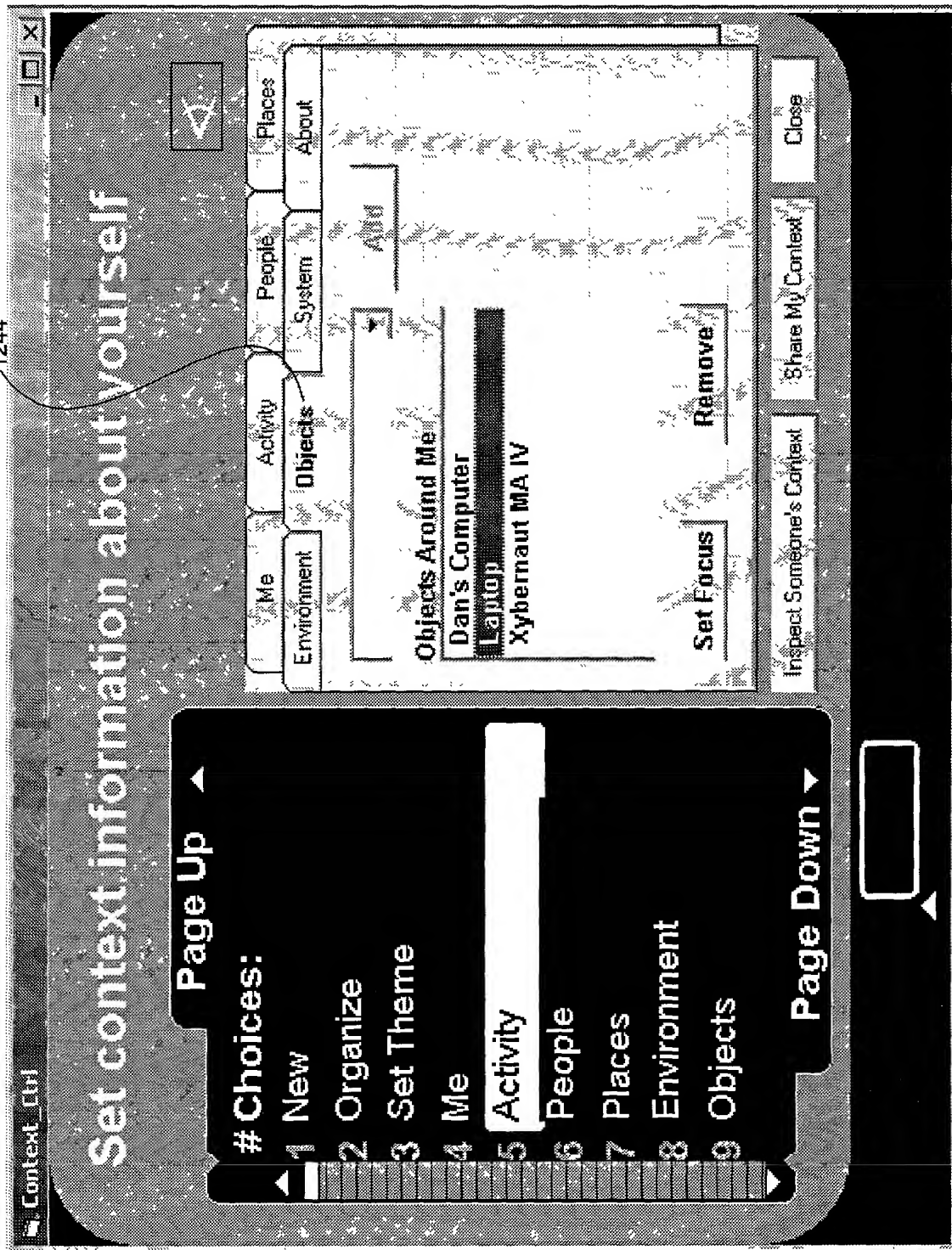


Fig. 12F

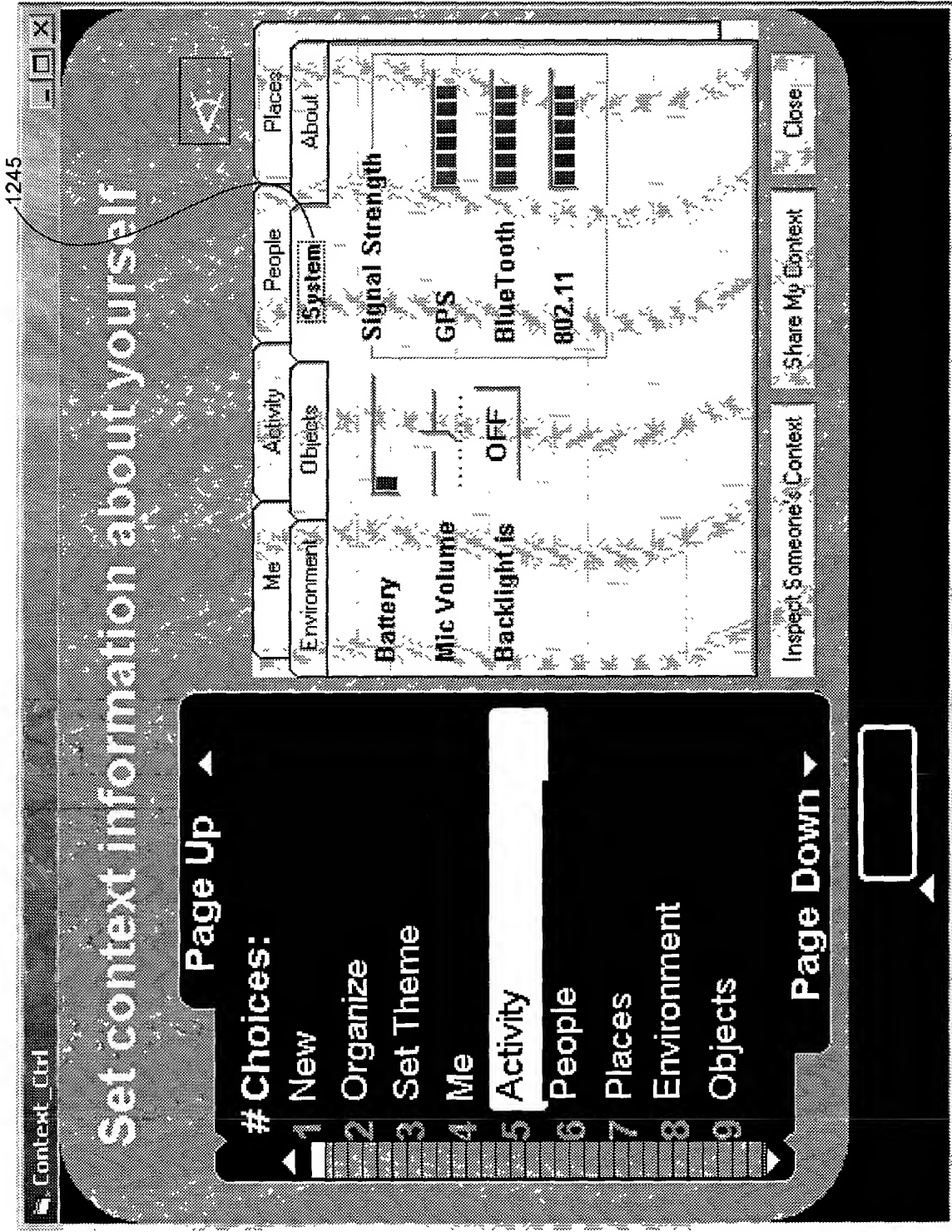


Fig. 12G



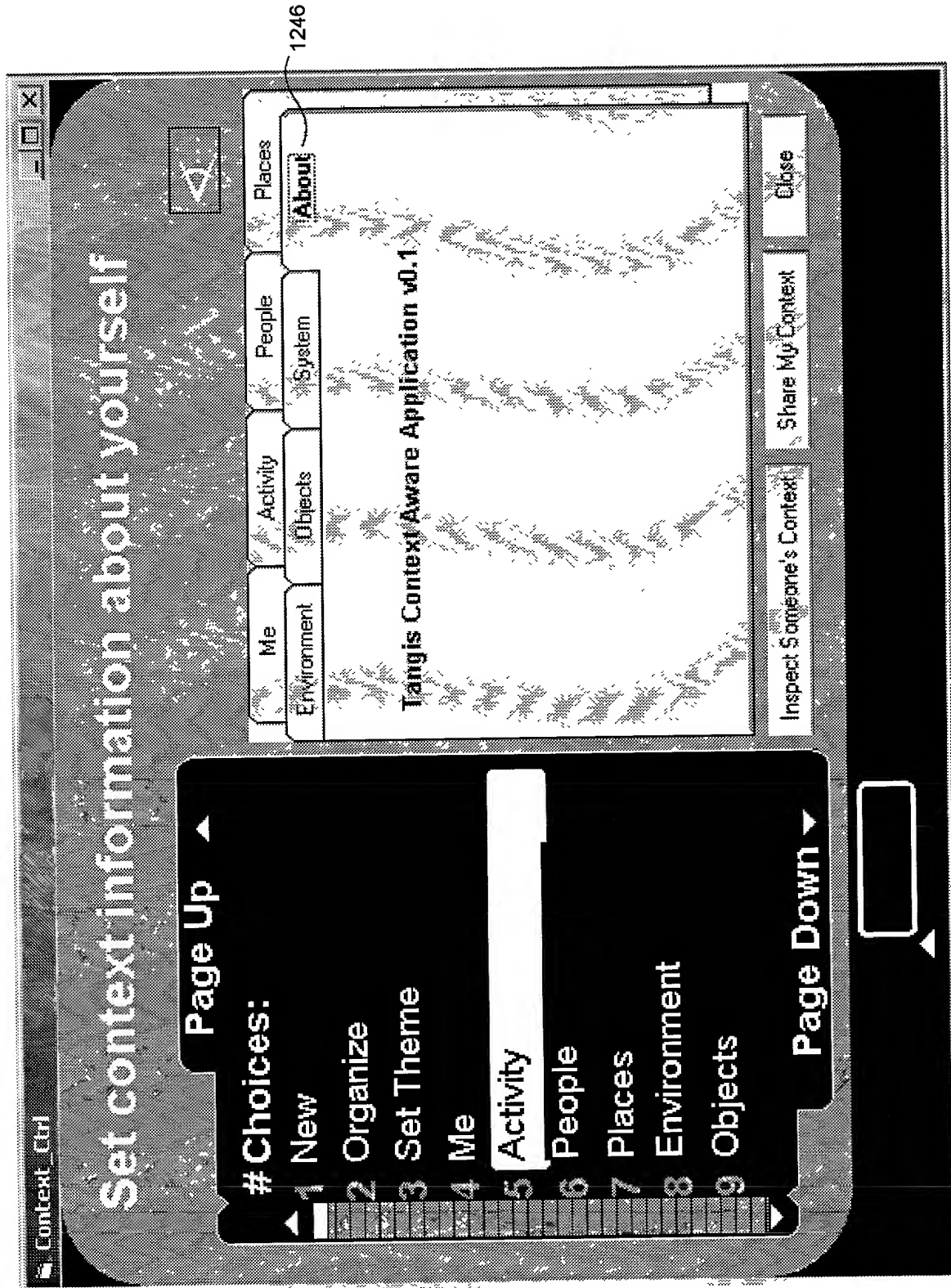
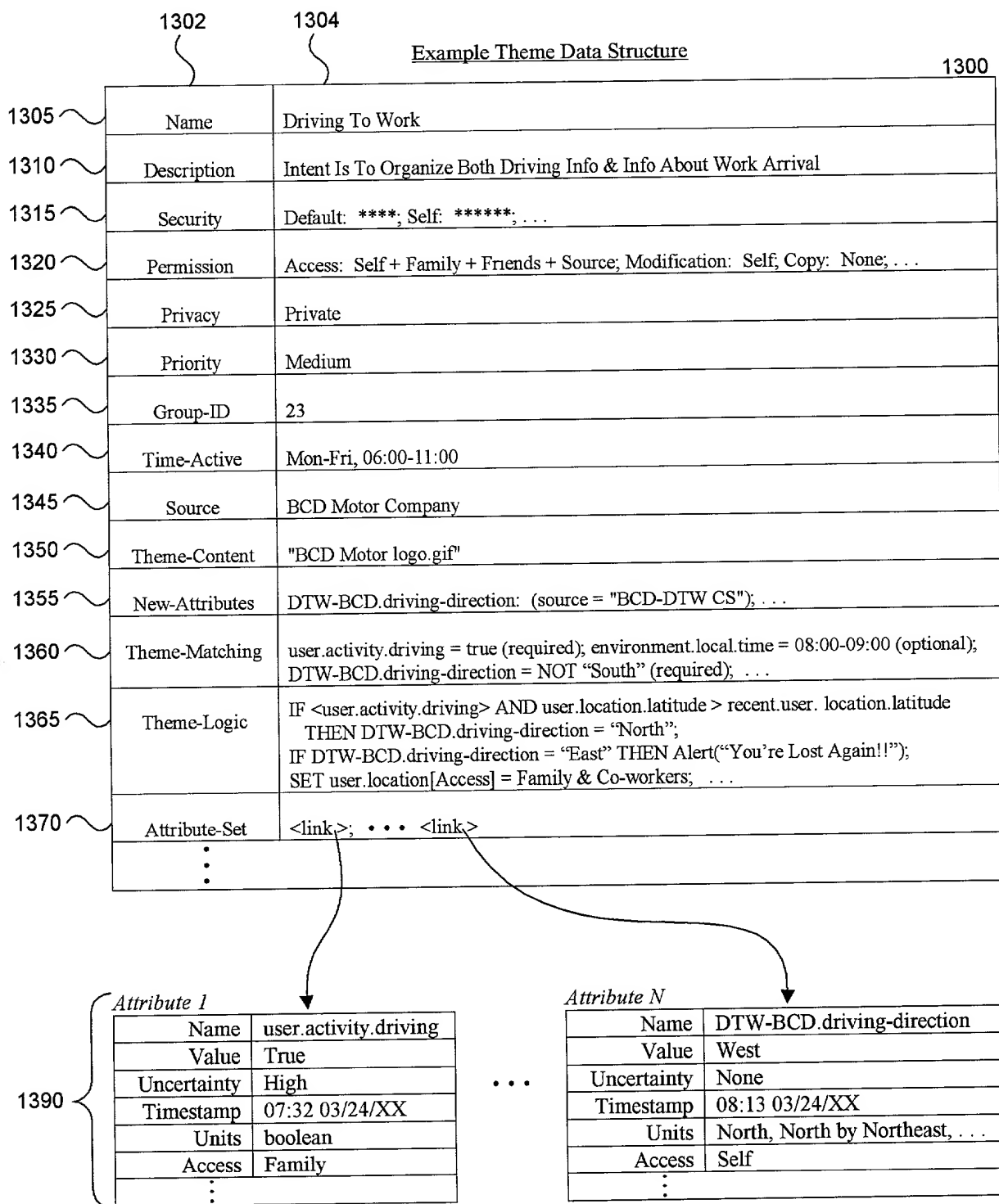


Fig. 12H



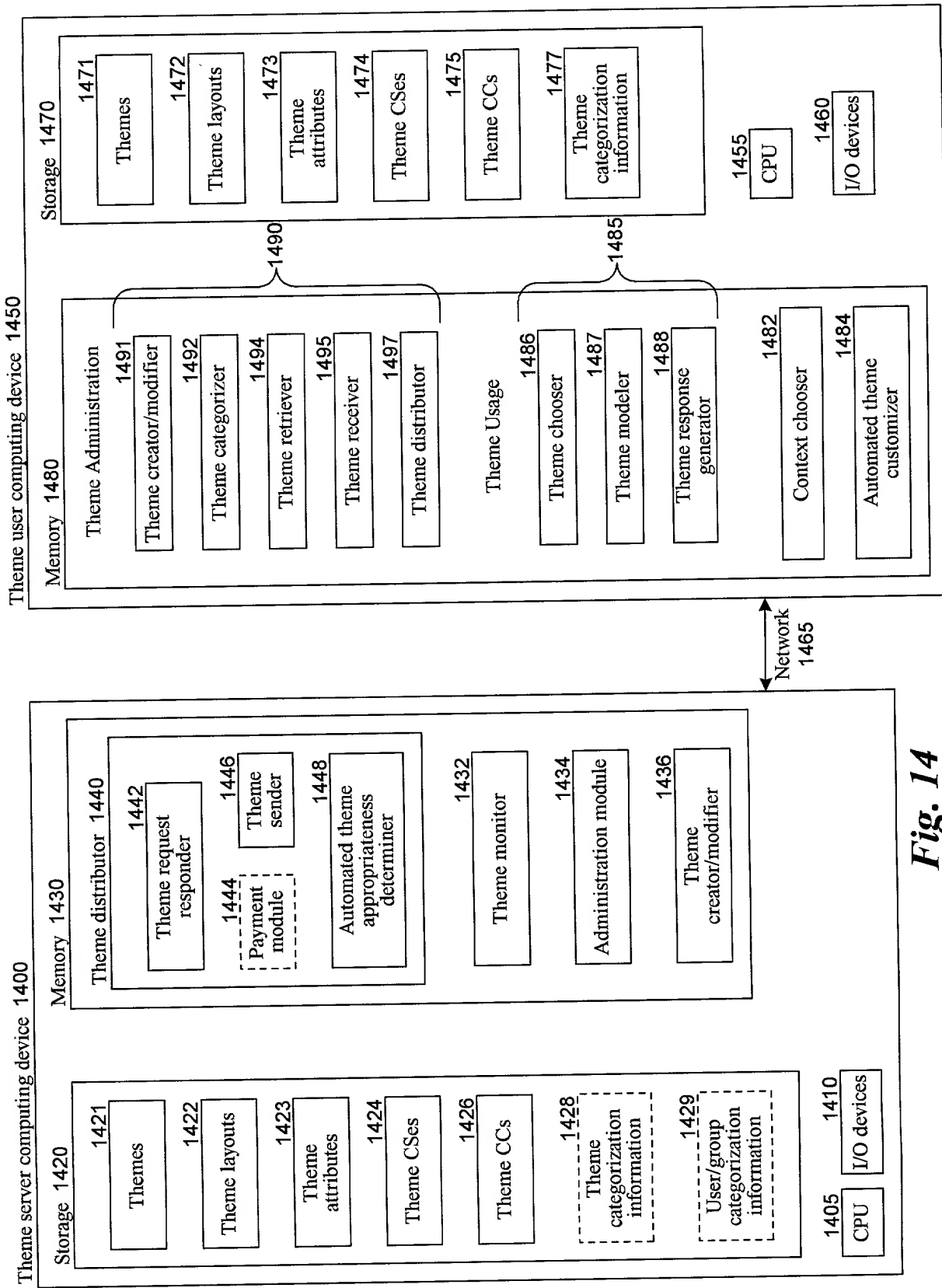
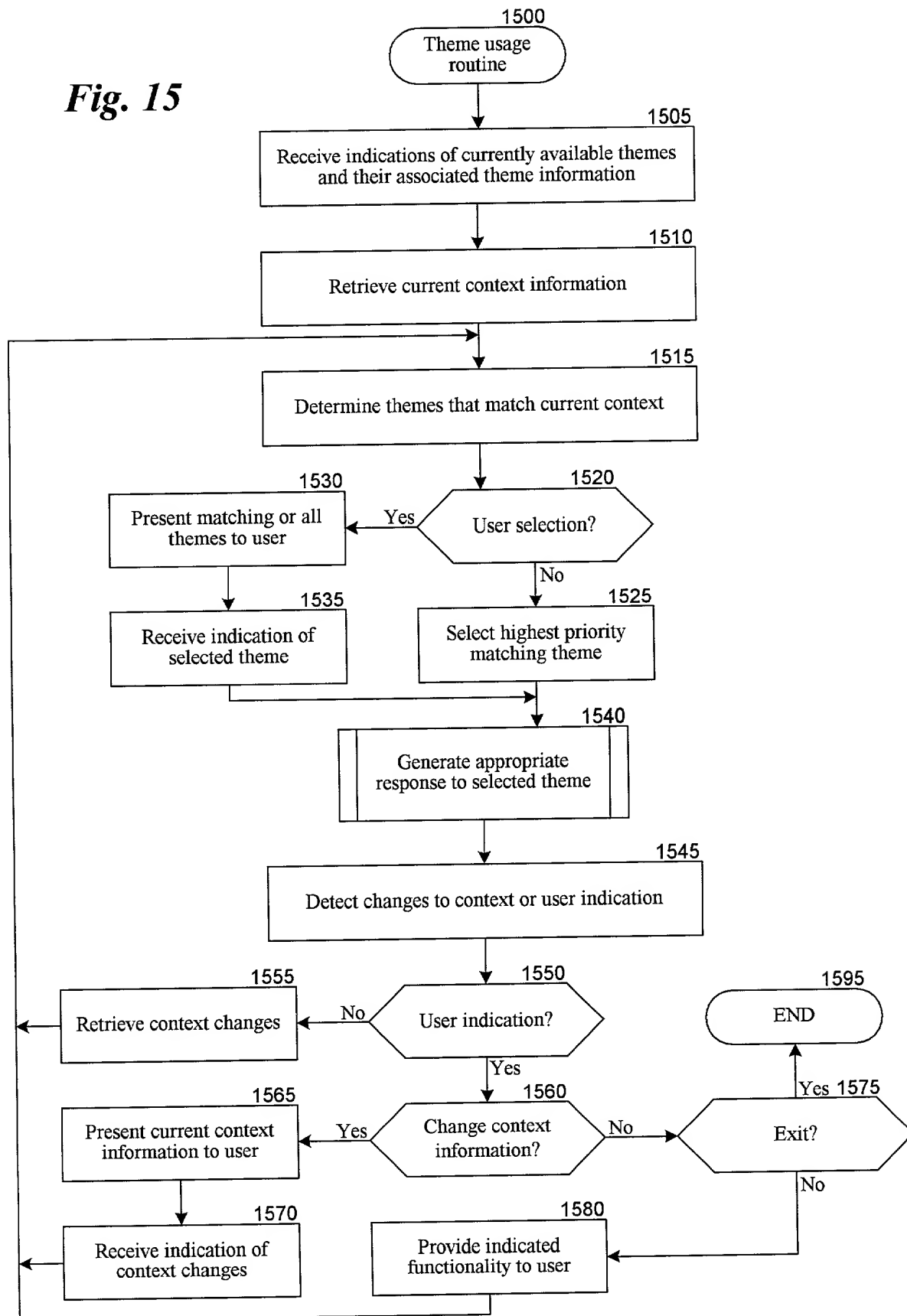


Fig. 14



**Fig. 15**



**Fig. 16**

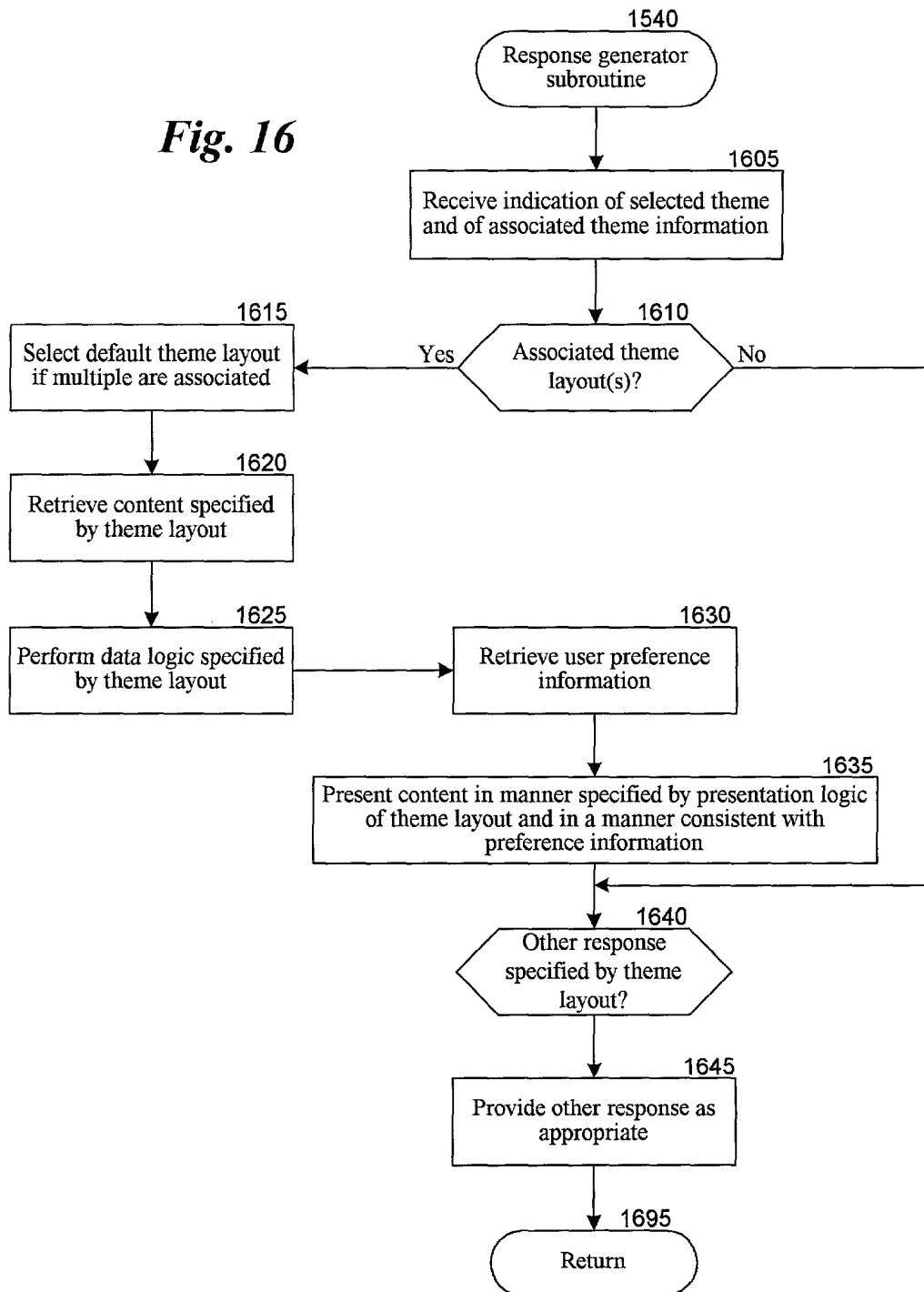


Fig. 17

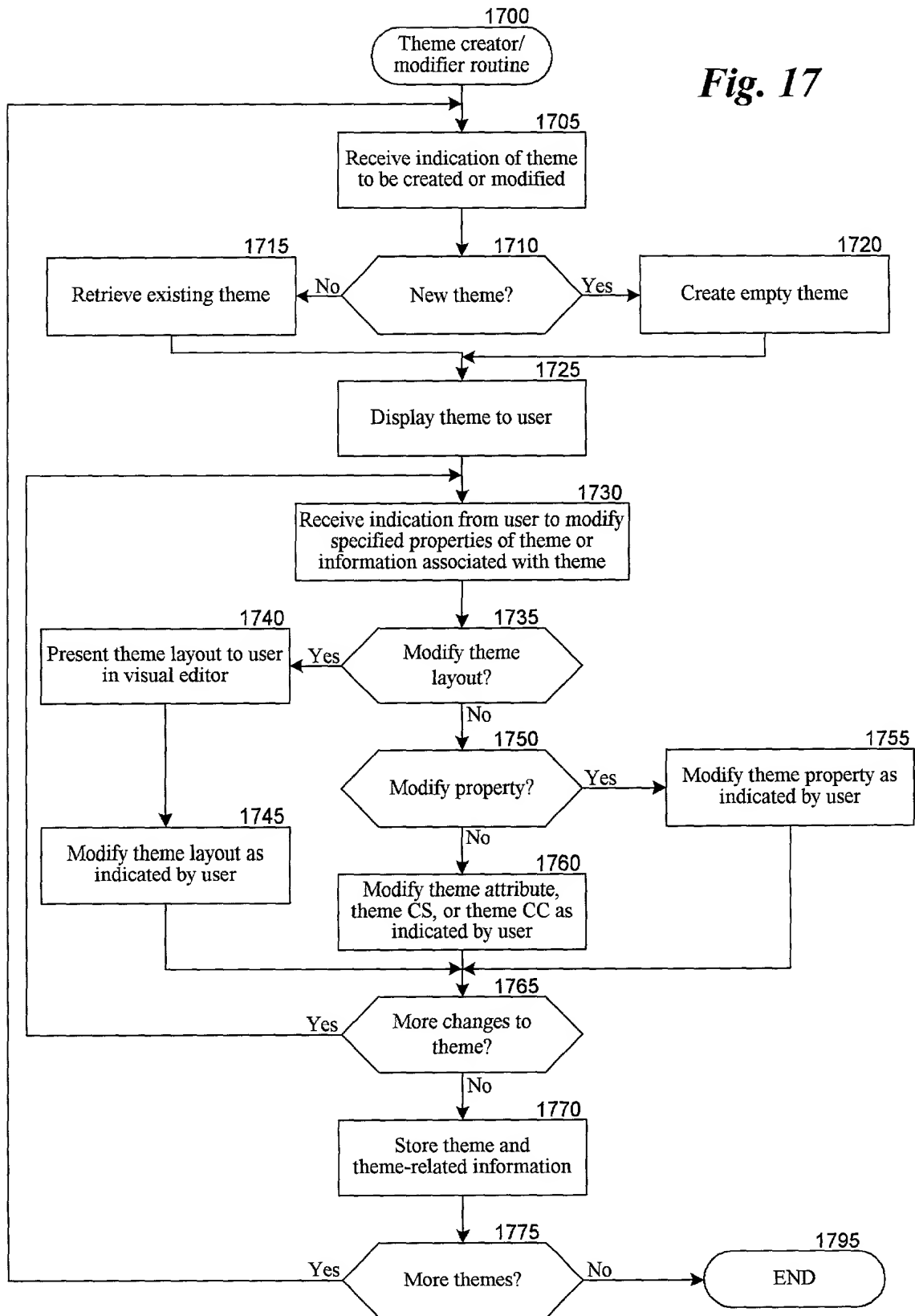
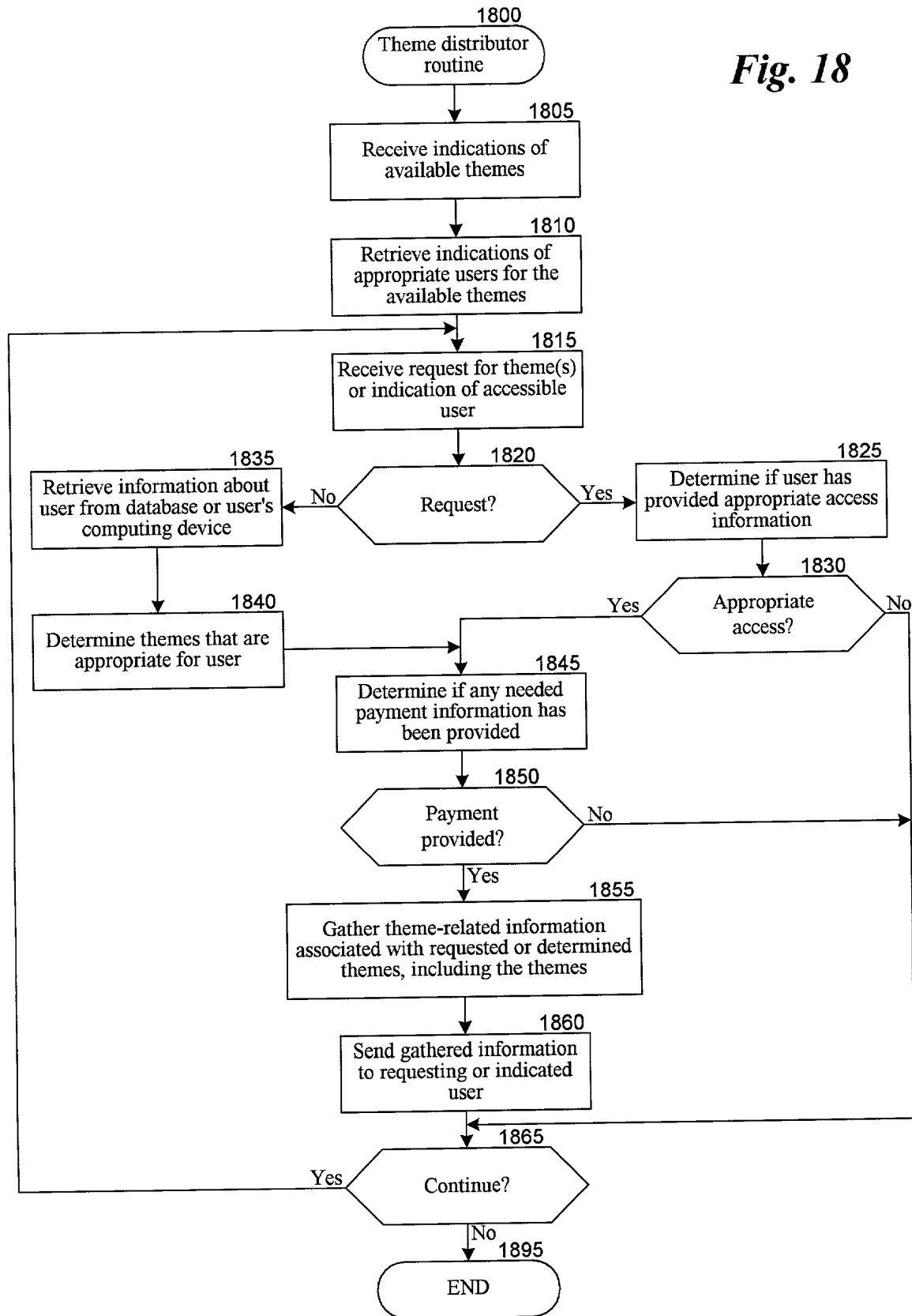
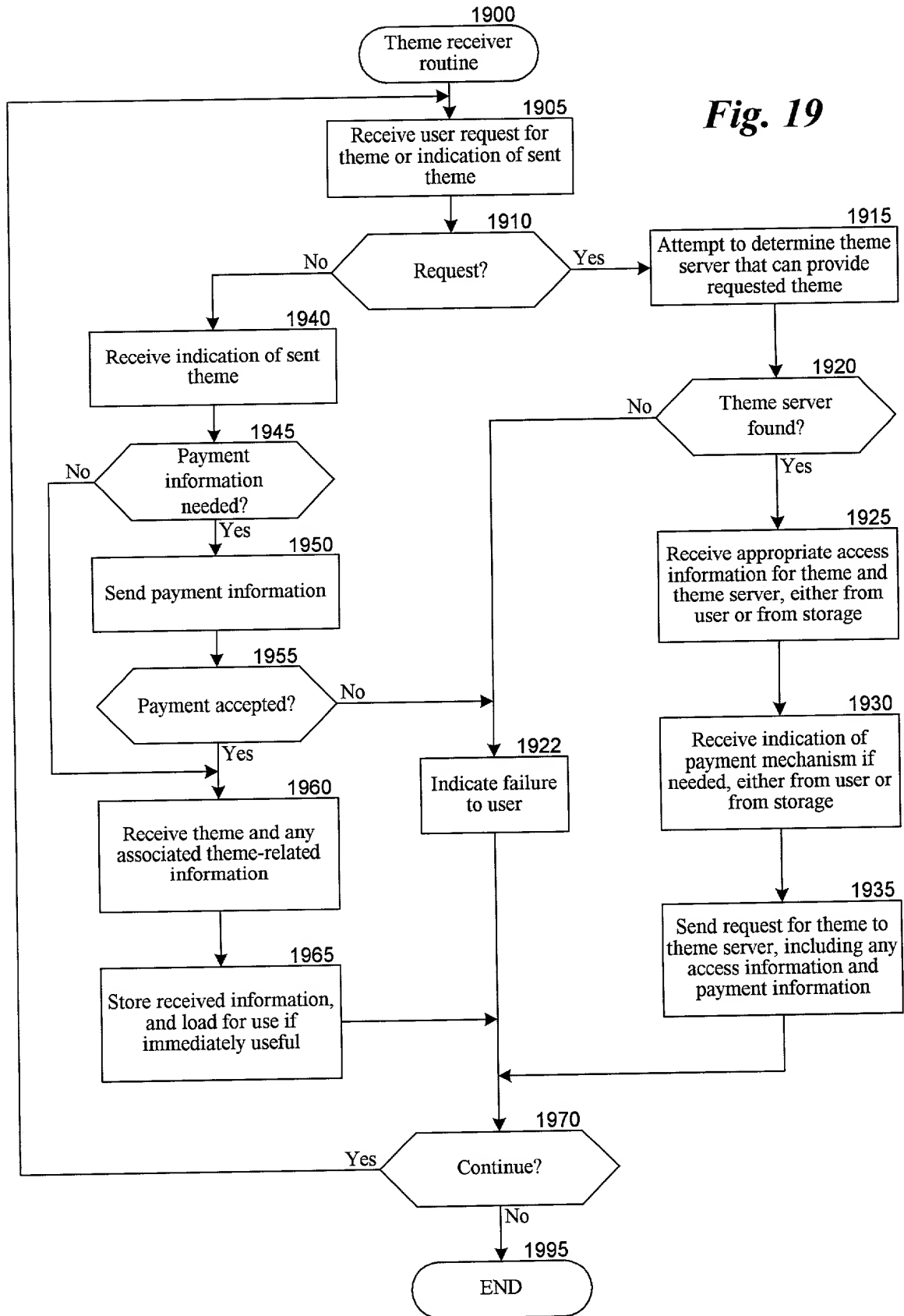


Fig. 18



**Fig. 19**



*Fig. 20*

